AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS.

Edited by Claribel R. Barnett,
Librarian, United States Department of Agriculture

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Vol. 1, no. 1 January, 1926

FOREWORD

The need has been felt for some time of a medium of communication between the agricultural libraries of this country. At the last meeting of the Agricultural Libraries Section of the American Library Association a definite recommendation was made that the Library of the U. S. Department of Agriculture be asked to issue, in cooperation with the state agricultural libraries, mimeographed letters giving news notes on reading lists and bibliographies prepared by agricultural libraries, and pointing out important new material which might not otherwise come to the attention of the individual agricultural librarians. It was also recommended at this meeting that the U. S. Department of Agriculture be asked to issue a list of new mimeographed material. In an effort to meet these needs and requests "Agricultural Library Notes" has been inaugurated.

In addition to the subjects which were definitely recommended for inclusion, it was thought that it might be of interest to include in each number a list of new agricultural and scientific periodicals and a list of changes in such periodicals.

As the Library of the U. S. Department of Agriculture has had a request from one of the state agricultural college libraries for a list of its available duplicates which it formerly distributed, there has been included in this number, as an experiment, a short list of the titles of some of the foreign agricultural serials of which the Library contains duplicates. If the list proves of interest, similar lists will be a regular feature in future numbers.

Such news notes and suggestions as have been received from the various state agricultural college libraries are herein included. An earnest plea is made for the full cooperation of all the libraries of the agricultural colleges and experiment stations in the regular sending of contributions and news notes. They should be received by the twenty-eighth of each month. In sending notes of bibliographies, please give the number of pages. Suggestions as to the type of information which should be included or excluded will be welcomed.

Claribel R. Barnett,
Librarian, U. S. Department of Agriculture.

NOTES OF BIBLIOGRAPHIES

A List of Serials in the Oregon Agricultural College Library, November, 1925, has been compiled by the Technical Department of the library and will soon be off the press.

The Oregon Agricultural College Library has prepared in connection with a Radio Lecture, a selected reading list on "Practical books on building and remodeling a house, with annotations". It has also prepared a bibliography on "Sulphur in relation to soil chemistry".

Under the title "Agronomy, Current Literature", the Library of the Bureau of Plant Industry has begun the publication, in mimeographed form, of a list of current literature on agronomy received by the U. S. Department of Agriculture Library. The first number, which is similar to the "Current Literature of Botany" also issued by the Bureau of Plant Industry Library, has just appeared and includes the literature received in January, 1926. Agricultural libraries which desire to receive the list currently should address the Librarian, Bureau of Plant Industry, U. S. Department of Agriculture.

"Research in Rural Economics and Rural Sociology in the Southern States since 1920, a list of the published, unpublished and current studies" is the title of a new bibliography compiled in the Library of the Bureau of Agricultural Economics under the direction of Miss Mary G. Lacy, Librarian, and issued in January as Agricultural Economics Bibliography No. 10. It was prepared at the request of the officers of the Agricultural Economics Section of the Association of Southern Agricultural Workers. A copy has been sent to the librarians of the agricultural colleges and experiment stations and to the professors of agricultural economics in the agricultural colleges. Additional copies may be had, if needed, by writing to the Library of the Bureau of Agricultural Economics, U. S. Department of Agriculture.

A "List of manuscript bibliographies and indexes in the U. S. Department of Agriculture, including serial mimeographed lists of current literature", was issued in January, 1926, as Bibliographical Contributions No. 11 of the U. S. Department of Agriculture Library. The list, which comprises 38 pages, was compiled by Miss E. Lucy Ogden, Bibliographical Assistant, and Miss Emma B. Hawks, Associate Librarian. In addition to the list arranged by subjects, there is a detailed index.

A "List of references on the preparation and use of poultry in the household", comprising seven typewritten pages, has been prepared by Mrs. Eva Thayer Shively, Librarian of the Bureau of Home Economics, at the request of the Division of Home Economics of the University of Minnesota.

A "Short list of books frequently referred to in the correspondence of the Bureau of Entomology" is now being revised and brought up to date by Miss Mabel Colcord, Librarian of the Bureau. This list, with publishers' addresses and the prices of the books, was first compiled some years ago as an aid to stenographers and clerks who have to give full citations in correspondence. It forms practically a brief list of American reference books on entomology.

SOURCE BOOKS FOR AGRICULTURAL STATISTICS

The recent progress report on the Source books for the agricultural statistics, which Miss Lucy M. Lewis, Chairman of the Agricultural Libraries Section of the American Library Association, appended to her letter to the librarians of the agricultural colleges and experiment stations has no doubt been read by all of you. The Librarian of the Bureau of Agricultural Economics reports that at the time of going to press there is no further progress to report except the fact that the agricultural economists from the states who have seen the Alabama source book, which is typed but not mimeographed, are enthusiastic about its usefulness and want such a compilation as soon as possible for their own states. In each case they welcomed the suggestion that a librarian from their own agricultural library be sent to the library of the Bureau of Agricultural Economics to compile the sources of the agricultural statistics for their respective states. The state would, of course, need to continue to pay the salary of the person sent and should pay the traveling expenses. Only by some such means will it be possible to get these source books out with any promptness, as the library of the Bureau of Agricultural Economics is able to devote only a small amount of time to the project, owing to the pressure of other work.

THE EXPERIMENT STATION RECORD

At a recent extension conference in the U. S. Department of Agriculture, Mr. H. L. Knight, Editor of the Experiment Station Record, gave a talk on the Record and some of its uses. The talk will soon be mimeographed and made available for distribution. "The Experiment Station Record is never for sale at news stands, and yet it is safe to say that its volumes are more frequently bound and referred to than nine-tenths of the so-called literature behind attractive covers. It is not a labor journal, but it is the result of serious, arduous study, which is the hardest kind of labor. It is, perhaps, too little understood and used by those who have the greatest need for it. Here is a chance to learn more about it."

The editorial in the November, 1925, issue of the Record gives an interesting account of the Semi-centennial of the Connecticut State Station. Agricultural librarians who make a practice of reading the editorials which appear in each number, excepting the Abstract number, will be well repaid as they include much material of bibliographical and historical interest and keep one in touch with new developments in agricultural research and extension.

Miss Martha L. Gericke, Librarian of the Office of Experiment Stations, U. S. Department of Agriculture, resigned in January to become Librarian of the U. S. State Department. Miss Cora L. Feldkamp has succeeded her as Librarian of the Office of Experiment Stations.

The new library building of the Iowa State College, Ames, was dedicated on January 21st. Dr. W. O. Thompson, former President of Ohio State University, delivered the dedication address.

LIST OF NEW AGRICULTURAL PERIODICALS AND CHANGED TITLES.

New Periodicals

American:

Farming topics; a digest of farming topics for agricultural extension workers. Chicago. il. 8°. v. 1, no. 1, Dec. 1925.

Modern irrigation. Los Angeles. mo. f°. il. v. 1, no. 1, July, 1925. $2.00.

Spotted Poland China digest. Kansas City, Mo. mo. il. 4°. v. 1, no. 1, Dec. 1924. $1.00.

Foreign:

Forstarchiv; zeitschrift fur wissenschaftlichen und technischen fortschritt in der forstwirtschaft. Hannover. Semi-mo. 4°. il. jahrg.1, no.2, July 15, 1925. 5,50 Reichsmark.

Fruiterer's review. London. mo. 8°. v. 1, no. 2, Aug. 1925. 2/6 per an.

Journal of the Australian veterinary association. Sydney. quar. 8°. v. 1, no. 1, Mar. 1925. 10sh.

Kyushu imperial university. Dept. of agriculture. Bulteno scienca. Fukuoka, Japan. irregular. 4°. v. 1, no. 1, Dec. 1924.

Landbouw; tijdschrift der Vereeniging van landbouwconsulenten in Nederlandsch-Indie. Buitenzorg. bi-mo. 8°. jaarg. 1, no. 1, July, 1925. f.11.

Revista avicola peruana. Lima, Peru. mo. il. 8°. v. 1, no. 1, June, 1925. S. 5.00.

Changed Titles

American:

American rabbit and cavy journal. Kansas City, Mo. Changed to Fur animals with 10th year no. 3, Nov. 1925.

Florida trucker. Sanford, Fla. Changed to Florida outdoors, with v. 2,no. 8, Aug. 1925.

Fur news and outdoor world. New York. Changed to Fur - fish - game (Harding(s magazine) Columbus, Ohio, with v. 42, no. 3, Sept.1925.

Garden magazine and home builder. Garden City, N. Y. Changed to Garden and home builder, with v. 42, no. 1, Oct. 1925.

Portland roses and flowers. Portland, Ore. Changed to Better flowers with v. 5, no. 8, Sept. 1925.

Rabbitcraft and American breeders' review. Lamoni, Ia. Changed to Small stock magazine with v. 9, no. 11, Nov. 1925.

For a further list of new scientific periodicals of interest to agricultural libraries, see pages 699-700 of the Experiment Station Record for November, 1925. A very recent entrant into the field of American scientific periodicals is the impressive "Quarterly Review of Biology" edited by Dr. Raymond Pearl of Johns Hopkins University, and published by Williams & Wilkins, Baltimore.

SOME GLIMPSES OF THE HISTORY OF AGRICULTURAL PUBLICATIONS.

Following are a few extracts from an interesting paper, with the title given above, by Mr. Carl R. Woodward, Editor of the Agricultural Experiment Station of New Jersey. It was delivered before the meeting of the American Association of Agricultural College Editors at Raleigh, N. C., on July 8, 1925. The paper is published in full in "The A. C. E.", the mimeographed publication of the Association, in the number for November, 1925, vol. 7, no. 4-6. Mr. Woodward is now writing a history of the agriculture of New Jersey. What he says about the value of a knowledge of agricultural history to the agricultural editor applies equally well to the agricultural librarian. "Wet Days at Edgewood" by Donald Grant Mitchell, referred to by Mr. Woodward, is certainly a book to be added to the list of books for the agricultural librarian's reading.

"Although history is generally reputed to be a 'dry-as-dust' subject, there are few people to whom some phase of it does not appeal in some small degree. To the agricultural college editor, the role played by the printed word in the development of agriculture is of special interest. As a general thing, a person can better master his job if he knows the facts of its historic background, and I believe we as editors are no exception. The fact remains, however, that agricultural history is not generally understood, and few of us are really familiar with the development of agricultural literature.

"During the past year, I have had occasion to dig into the dusty corners and uncover some facts about the early agriculture of my own state. And the dustier I got, the more fascinated I became with the job. Likewise, the farther I went, the greater became my respect for our forbears, and the firmer my conviction that 'there is nothing new under the sun'. ...

"But to get back to agricultural publications, something of the spirit of our agricultural news service is revealed by the author of the first American work on agriculture. Jared Eliot, the Connecticut Yankee -- preacher, physician, farmer, writer, and friend of Benjamin Franklin, in preparing the first of his 'Essays on Field Husbandry' in 1747, points out the importance of acquainting the public with the results of agricultural research.

"'It might serve to increase useful knowledge, if something of this nature were published every year, giving a faithful account of the success of all the experiments and trials that may be made on various sorts of land, and of divers sorts of grains, roots, grass and fruits, not only such as we have in use, as also what we have not as yet introduced among us.

"'There are few men of business, ingenuity and observation, but what have found out things valuable and useful, but for want of some proper method to communicate them, they die with the discoveries, and are lost to mankind.

"'Therefore whoever has made any observations of discoveries, altho it be but a hint, and looks like a small matter, yet if pursued and improved, may be of public service. If they see cause to favor me with such discoveries and experiments as they have or shall make, I shall receive it with thankfulness, and publish it either with or without their name to it, as they shall see fit.'" ...

SOME GLIMPSES OF THE HISTORY OF AGRICULTURAL PUBLICATIONS (Cont'd)

"The 'American Farmer', established at Baltimore, April 2, 1819, is generally reputed to be the first agricultural journal published in the United States. I recently learned, however, that some years before this there was a small agricultural periodical published at Washington, known as the 'Agricultural Museum'. While this apparently did not attract so much attention, it should probably be given precedence over the 'American Farmer'.

"In New Jersey, however, I found three semi-agricultural publications which ante-date the 'American Farmer'. Since they are not predominantly agriculture, they are not exactly comparable with the 'American Farmer', hence it may hardly be fair to claim precedence for them in the class of agricultural publications. ...

"Our first genuine farm paper in New Jersey, so far as I can find out, was the New Jersey Farmer, established at Freehold, N. J., in 1855, Orrin Pharo, editor. It was published monthly, 16 pages octavo size, well edited and printed. It was continued for 6 years, changing hands in 1857, and published at Trenton until 1861, by David Naar. It is an excellent source of information on the activities of agricultural societies and fairs of the time, as well as of the farm practices followed. It was a strong advocate of agricultural education, and reflects in an interesting way the struggle for the passage of the Morrill Act, and the attitude of farmers and rural leaders toward it. ...

"For anyone who is interested in looking further into the history of agricultural publications, I suggest that he procure a pamphlet entitled 'American Agricultural Periodicals' by Mr. Gilbert M. Tucker, of Albany, (P.O.Box 747). Mr. Tucker would no doubt be glad to send you a copy. A similar treatise, but considerably abbreviated, appears in Bailey's Cyclopedia of Agriculture, Volume 4.

"Finally, I would commend to all of you Donald G. Mitchell's 'Wet Days at Edgewood'. I know of no better survey of agricultural literature. The delightful human qualities of the author, his intense interest in farming, his practical turn of mind and his skillful literary touch produced a work a half century ago that arouses an appreciation of our predecessors in the game of agricultural writing, and gives us a finer perspective of our work." ...

"WHY WITH THE LIBRARY?"

The Librarian of one of the Land-Grant Colleges sends the following pertinent question: "The library committee has been running the library. I have succeeded in getting a ruling from the president that the function of the library committee is purely advisory, so hereafter the librarian will run the library, and will distribute the book funds equitably to the various departments. I certainly stirred up a hornet's nest when I sprang my ruling from the present. The committee has been treating the librarian as an upper clerk. Why someone has not made a fight before for the dignity of our profession, his own self respect and the good of the institution is beyond me. I told them that I did not see why the head of a department should have his actions passed on by a committee of his colleagues. It was not done with any other department, why with the library?"

SOME METHODS IN ADULT EDUCATION BEING TRIED AT THE OREGON AGRICULTURAL COLLEGE LIBRARY.

Radio broadcasting from the College station KOAC, Corvallis, Oregon. In cooperation with the College Radio Station the Library gives a regular Book Chat on the outstanding new books, on the first Friday night of each month. These are five minute chats. In addition to the monthly chats, members of the staff are giving thirteen fifteen minute lectures on outstanding recent books in as many different fields of interest. Some of these lectures pertaining particularly to agricultural literature are given on the evenings devoted to agricultural topics; those pertaining especially to home economics or women's activities are given on the evenings devoted to women's interests. The majority are of a more general interest, and are given on the General or Feature program, on Friday evening. A bulletin giving complete program for the year will soon be issued by the Program Director, Radio Station KOAC, Oregon Agricultural College, Corvallis, Oregon.

Reading lists are made on timely subjects. The most popular book chats will be expanded into reading lists.

Once or twice a year the Reference Department posts on the bulletin board a list of names or words under such a caption as one of the following: "How well informed are you" or "Are you a citizen of the world". ("These names were taken at random from a month's periodicals and newspapers. How many of them are familiar to you?") A considerable number of people have been seen checking these over and some looking up those not known.

Interesting Book Table (changed every two weeks, and refilled oftener as books circulate). This has proved an excellent means of getting good but unfamiliar books into circulation.

Placing on bulletin board attractive jackets of new books which are being displayed on New Book Table. This often hastens circulation of new books.

PRINTED CARDS FOR STATE EXPERIMENT STATION PUBLICATIONS.

In accordance with the recommendation made at the last meeting of the Agricultural Libraries Section of the American Library Association urging the Librarian of the U. S. Department to push the matter of printing the indexing of the state experiment station publications, a letter in regard to the recommendation was written to the Chief of the Card Division, Library of Congress. Following is his reply: "Just now we are having so much difficulty in getting funds enough to do the printing to which we are already committed that I can not favor any more projects in this line. Only two or three years ago, as you know, I was strongly in favor of covering all of the publications of the agricultural colleges and experiment stations, but the continuation of the 'economy' drive has upset all plans. We shall have to wait for better times. I hope you and the other agricultural librarians will not lose interest in the plan. We will get back to it yet."

MAINTENANCE OF COMPLETE FILES OF AMERICAN AGRICULTURAL PUBLICATIONS.

(Extracts from correspondence between Mr. Ralph M. Brown, Librarian of the Virginia Polytechnic Institute, Blacksburg, and Miss C. R. Barnett, Librarian, U. S. Department of Agriculture.)

Mr. Brown: We have a hard time in the agricultural branch library in getting all of the experiment stations, extension services, state agricultural departments, and other agricultural offices to send us their publications regularly. In fact, quite a number of them inform us that they do not maintain mailing lists. So we have to check all lists containing agricultural publications and send for the bulletins, etc., that we have not received. Now, I feel sure that you have worked out some way of inducing these offices to regularly send you all their publications. Haven't you?

Miss Barnett: I sympathize with you in your difficulties in maintaining complete files of agricultural publications but I am very sorry to say that we do not know how to help you as we have the same difficulties. ... I have sometimes wondered whether a combined effort on the part of the librarians of the state agricultural colleges and experiment station libraries might have some effect in getting agricultural institutions and societies to establish special mailing lists for state agricultural college and experiment station libraries. Perhaps this might be worth discussing at the next meeting of the Agricultural Libraries Section of the American Library Association. Have you ever looked into the procedure of your college in the distribution of the college and station publications? Does it maintain regular mailing lists?

Mr. Brown: I certainly am indebted to you for your prompt reply to my letter concerning the maintenance of complete files of agricultural publications. It is an everlasting bother and a great waste of time to have to keep track of these publications and write for those that we do not receive. Our college maintains regular mailing lists for all its publications, and so does the experiment station and extension service. Our experiment station director suggests that all agricultural services might keep mailing lists for libraries and other institutions that always want and need state and governmental agricultural publications. These lists would not have to be corrected every little while. Once prepared, they would remain practically unchanged. Your idea about discussing the question at the next meeting of the A. L. A. is a very good one. Could you or some one else take it up at that time? I shall do so if I can make the meeting.

"Agricultural Library Plays Useful Role" is the title of an interesting article in "The Virginia Tech" for January 21, 1926, on the Branch Agricultural Library of the Virginia Polytechnic Institute.

"There is no formula for vision except the development of the habit of looking ahead, of figuring beyond the present."

QUERIES AND ANSWERS

Miss Lewis, Librarian of the Oregon Agricultural College, Corvallis, would like to know whether any other library has a good bibliography on artificial manures. One is needed for some special work at the college and thus far very few good references have been found.

A list of quotations on agriculture is being compiled by the Library of the U. S. Department of Agriculture which would be glad to know of any lists available in other libraries.

Mr. W. H. Powers, Librarian of the South Dakota State College of Agriculture, Brookings, sends the following query: "Some will attend the [A. L. A.] meeting at Philadelphia on October 6th, Wednesday. Why not have a meeting of agricultural librarians and any others interested, in Washington on the preceding Monday and Tuesday? Surely in such a place we could more profitably discuss such topics as were taken up at Seattle."

The Librarian of the Agricultural Library of the University of Arkansas would be glad to know what other libraries have done regarding the classification of some books on bacteriology which do not seem to fit well in any numbers of the Decimal Classification. "These books", she says, "are entitled 'Agricultural Bacteriology" and they do not go well in 616.01, 631.8472, or 631.46 because they are devoted to soil bacteria, disease bacteria, and food bacteria and are simply too general for any one of these places. They do not go in 632.3 because they treat of both beneficial and injurious bacteria. They seem to treat about equally each kind."

Mr. Edward M. Tuttle, Editor in chief of the new agricultural encyclopedia entitled "The Book of Rural Life", published by the Bellows-Durham Company, 104 South Michigan Avenue, Chicago, is making plans for a proposed Rural Life Year Book to supplement the encyclopedia. He would like to have suggestions from agricultural librarians as to the character of the material which this Year Book should contain to be of greatest service.

In reply to frequent inquiries regarding the use of duplicate bulletins for circulation in the Oregon Agricultural College, Miss Lewis, the Librarian, gives the following note: "After we have saved our binding copies of state bulletins, and rescued extra copies needed for special assignments, we file any duplicates acquired by begging or by gifts from faculty members, in the stacks. These are accessible to students and may be borrowed for home use or placed on reserve at request of instructors. If especially scarce or valuable it is placed on "permanent reserve" at the charging desk. Popular bulletins are often placed in Gaylord pamphlet covers or manila covers. They are filed numerically under each Government Bureau, or state station depending upon various indexes for subject matter. They take considerable space, but the convenience to the college public, and the saving of wear on bound copies seem to justify this."

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture

Explanatory Note: As a separate mimeographed list of the periodical reports relating to crops, markets and agricultural economics issued by the Bureau of Agricultural Economics can be obtained from that Bureau, these serials have not been included in the following list. With this exception the following list comprises the principal serial mimeographed publications which are issued regularly and in addition the more important separate mimeographed publications which were issued during January, 1926. In the case of the Bureau of Agricultural Economics, the separate mimeographed publications which were issued in 1925 were also included. Future lists of mimeographed publications will include only the separate publications of each month and notes of any new serials which are started.

BUREAU OF AGRICULTURAL ECONOMICS

Cooper, Thomas, Chief of the Bureau.
Cooperative marketing an important part of the farmer's business... An address delivered before the members of the Minnesota farm bureau federation, St. Paul, Minnesota, January 19, 1926. 10p.

Division of agricultural cooperation.
Management the vital problem of cooperatives. Excerpts from a discussion before the National association of marketing officials, Chicago, December, 1925. By A. V. Swarthout. 6p.

Division of cotton marketing.
Evolution of cotton marketing. By Alonzo B. Cox. A special report. 1925. 21p.

Division of dairy and poultry products.
Annual production report of manufactured dairy products, by states, 1922. [1926] 2 sheets.

Division of economic information.
Index to charts, maps and graphs copies of which are available at cost. Section 1. Agricultural cooperation economic charts, Nov. 1925; Section 2. Farm credit, farm insurance and farm taxation economic charts, Nov. 1925; Section 4. Farm population and rural life socio-economic charts, Dec. 1925; Section 5. Land economics, land utilization, land settlement, land valuation, land tenure and farm labor, Dec. 1925.

State agricultural and marketing officials. [Revised Dec. 1925]

Division of farm management and costs.
Adjusting production to market requirements. Address before the annual meeting of the National association of marketing officials, Chicago, Ill., Dec. 1925. By H. R. Tolley. 11p.

BUREAU OF AGRICULTURAL ECONOMICS (Cont'd)

Division of farm management and costs (cont'd)

Costs and methods of carrying cattle on national forest ranges in Colorado, Wyoming, Montana, Utah, Idaho, Oregon, Washington, California and South Dakota, 1924. A preliminary report. January, 1926. 10p.
(Work was performed in cooperation with the Colorado Agricultural Experiment Station)

Detailed cost studies by Andrew Boss. Read at the annual meeting of the American farm economic association, New York City, December, 1925. 1925. 8p.

German approach to farm economic investigations. By Immanuel Fauser. Read at the annual meeting of the American farm economics association, December, 1925. New York City. 1925. 7p.

Division of farm population and rural life.

The cost of living among colored farm families of selected localities of Kentucky, Tennessee and Texas. A preliminary report. By E. L. Kirkpatrick and J. T. Sanders. 1925. 13p.

Living conditions and family living in farm homes of selected localities of Massachusetts. December, 1925.

Living conditions and family living in farm homes of selected localities of South Carolina. A preliminary report. By E. L. Kirkpatrick. December, 1925. 25p.

Publications relating to farm population and rural life. Jan., 1926.

Office of grain investigations.

Compilation relating to uses and products made of corn. By C. Louise Phillips and E. G. Boerner. 1925. Reprint, 1926. 21p.
"Selected list of references on the uses and the products made of corn": p. 20-21.

Division of land economics.

The Division of land economics. An outline of the organization, activities and publications of this division. December, 1925.

The economic limits of cost of water for irrigation. The Durham state land settlement, California. By R. P. Teele & Paul A. Ewing. December, 1925. 30p.

The economic limits of cost of water for irrigation. Rio Grande project, Texas. By R. P. Teele and Paul A. Ewing. December, 1925. 21p.

The economic limits of cost of water for irrigation. Twin Falls canal company, Idaho. By R. P. Teele and Paul A. Ewing. December, 1925. 34p.

The economic limits of the cost of water for irrigation. Wenatchee reclamation district, Washington. By R. P. Teele and Paul A. Ewing. December, 1925. 35p.

BUREAU OF AGRICULTURAL ECONOMICS (Cont'd)

Library.

Agricultural economics bibliographies. Irregularly.

Library supplement to the B. A. E. News. Monthly.

BUREAU OF ANIMAL INDUSTRY

Editorial office.

Recommendations of the Bureau of animal industry on problems of livestock production. 1925. 12p.

Report on progress of the "Better Sires-Better Stock" campaign, 25th quarter, ended Dec. 31, 1925. 1925. 8p.

Division of animal husbandry.

Use and production of horses in Wyoming. By Earl B. Krantz. Washington, 1926. 10p.

BUREAU OF CHEMISTRY

Office of protein investigations.

The chemistry of proteins and its relation to nutrition. By D. Breese Jones. Read before the food and drugs section of the American public health association at the fifty-fourth annual meeting at St. Louis, Mo., October 21, 1925. 1925. 7 p.

Reprinted from the American journal of public health, vol.XV, no. 11, November, 1925.

BUREAU OF DAIRYING

Introduction project.

Milk for health; a series of lessons for follow-up work in milk-for-health campaign. By Jessie M. Hoover and Florence L. Hall. 1925. Reprint, 1926. 39p.

Bibliography: p. 3.

Market milk project.

Milk inspector letter. Monthly.

Milk plant letter. Monthly.

BUREAU OF ENTOMOLOGY

Insect pest survey.

Insect pest survey bulletin. Monthly.

Editorial office.

Monthly letter.

EXTENSION SERVICE

Office of agricultural instruction.

Reprot of committee on instruction in agriculture, home economics and mechanic arts. By Dr. A. C. True. 1925. 33p.

"Report made at the annual meeting of the Association of land-grant colleges at Chicago, Ill., Nov.19, 1925."

"References": p.32-33.

EXTENSION SERVICE (Cont'd)

Office of agricultural instruction (cont'd).
Rural engineering, farm shop work and manual arts. 1925. 4p.
"[This] is a list of representative texts and references which have been prepared for the use of teachers. The list is not exhaustive but merely suggestive."

Office of cooperative extension work.
Extension horticulturist. Monthly.
(Issued in cooperation with the Bureau of Plant Industry)
Extension pathologist. Monthly.
(Issued in cooperation with the Bureau of Plant Industry)
Foreign agricultural extension activities. Abstracts from recent reports and publications received by J. M. Stedman. Issued January, 1926. 33p. Semi-annually.

List of extension publications of the state agricultural colleges received by the Office of Experiment Stations library. Monthly.

The responsibility of expanding the boys' and girls' club movement in its field of work. By C. B. Smith. Paper presented at the meeting of the Association of land-grant colleges, Chicago, Ill., November 18, 1925. 1925. 14 numb. l.

State agricultural program building. By Eugene Merritt. Washington, 1925. Reprint, 1926. 45p.

FOREST SERVICE

Forest service.
The forest worker. Bi-monthly.

BUREAU OF HOME ECONOMICS

Bureau of home economics.
Average quantities and costs of clothing purchased by farm families. Clothing purchased in one year by 1337 farm families of selected localities of Ohio, Kentucky, Missouri and Kansas. A preliminary report. 1925. 24p.

Report of the chief of the Bureau for the fiscal year ended June 30, 1925. [2d]. 1925. 24p.
1st report was printed.

LIBRARY OF THE DEPARTMENT

Bibliographical contributions. Irregularly.

PACKERS AND STOCKYARDS ADMINISTRATION

Annual report for the year ended June 30, 1925. [4th] 1925.
Reports 1-3 were printed.

Monthly record.

BUREAU OF PLANT INDUSTRY

Office of blister rust control.
Blister rust news. Monthly.

Office of cereal investigations.
Report of progress in barberry eradication for the calendar year ended December 31, 1925. By F.E.Kempton and Lyon D. Hutton. 29p.
Reprint from the Cereal Courier, v.17, no.32, pp.415-443, December 31, 1925.

Office of cotton, truck and forage crop disease investigations.
Preliminary report of experimental work on tomato nailhead rust for the season 1924-1925. 1925. 18p.

Office of forage crop investigations.
Imported red clover seed and its value in the United States. By A. J. Pieters and E. A. Hollowell. 1926? 23p.

Library.
Agronomy. Current literature. Bi-weekly.

Current botanical literature. Bi-weekly.

Office of plant disease survey.
Plant disease reporter. Monthly.

Plant disease reporter supplement. Irregular.

BUREAU OF PUBLIC ROADS

MacDonald, T. H. Chief of the Bureau.
Highway finance, federal, state and local. Paper read at twenty-third annual convention, American road builders' association, Chicago, Illinois, January 11-15, 1926. 1926. 23p.

The newsletter of the Bureau of Public Roads. Monthly.

Library.
Contents of new periodicals. Weekly.

BUREAU OF SOILS

Whitney, Milton. Chief of the Bureau
Annual report of the chief for 1925. 1925.
Earlier reports, 1894-1924, were printed.

[List of] Bulletins and circulars. Washington. [1926?) 3p.
Comprises all publications issued by the Bureau of Soils that are still available for distribution by this Bureau.

WEATHER BUREAU

Report of the chief [for] the fiscal year ended June 30, 1925. 1925.
Earlier reports, 1891-1924, were printed.

DUPLICATES AVAILABLE FOR EXCHANGE

The Library of the U. S. Department of Agriculture has many duplicates of the following serials. From lack of assistance it is impossible to make a list of the volumes and numbers which we have of each title. However, if libraries will send us a list of any numbers of these serials which they lack, we will send such as are available. For the most part the numbers are comparatively recent.

African Publications

Algeria- Service Botanique. Bulletin.
Algeria- Territoires du Sud, Direction des- Service agricole. Bulletin.
Amani, German East Africa. Biologisch-landwirtschaftliches institut. Düngungsversuche in den deutschen kolonien.
L'Association; bulletin de la Société des agriculteurs de Tunisie..(Monthly)
Belgium- Colonies, Ministere des- Agriculture, Direction generale de l'. Bulletin agricole du Congo Belge.
Bulletin agricole de l'Algerie et de la Tunisie.
Cape of Good Hope- Agriculture, Dept. of. Agricultural journal, monthly.
Cape of Good Hope- Agriculture, Dept. of. Publications.
Egypt- Agriculture, Dept. of. Agricultural journal of Egypt.
Egypt- Agriculture, Dept. of. Egyptian agricultural notes...
Egypt- Agriculture, Dept. of- Technical and scientific service. Bulletin.
Farmers gazette; Boere koerant.
The Farmers' journal. (weekly)
Gambia- Agriculture, Dept. of. Annual report.
Gold Coast- Agricultural dept. Report.
Kenya Colony, Africa- Agriculture, Dept. of. Annual report.
Kenya Colony, Africa- Agriculture, Dept. of. Bulletin.
Landbouweekblad.
Mauritius- Agriculture, Dept. of. Annual report.
Mauritius- Agriculture, Dept. of. Bulletin; general ser.
Mauritius- Agriculture, Dept. of. Bulletin; scientific ser.
Mauritius- Agriculture, Dept. of. Bulletin; statistical ser.
Morocco- Agriculture, du commerce et de la colonisation, Direction de l'. Publications.
Nigeria- Agriculture, Dept. of. Annual bulletin.
Nigeria- Agricultural dept. Annual report.
Nigeria, Northern- Agricultural dept. Report.
Nigeria, Southern- Agricultural dept. Annual report.
Nyasaland- Agricultural and forestry dept. Annual report.
Nyasaland- Agriculture, Dept. of. Bulletin.
Port Elizabeth agricultural society. Prize list--annual show.
Rhodesia, Southern- Dept. of agriculture. Report.
The Rhodesia agricultural journal. Bi-monthly.
Société sultanienne d'agriculture. Yearbook.
Société sultanienne d'agriculture- Section technique. Bulletin.
South Africa- Agriculture, Dept. of. Bulletin.
South Africa- Agriculture, Dept. of. Journal.
South Africa- Agriculture, Dept. of. Local series.
South Africa- Agriculture, Dept. of. Report.
South Africa- Agriculture, Dept. of. Reprint.
South Africa- Agriculture, Dept. of. Science bulletin.

South African farmers' advocate and home magazine. Monthly.
Tanganyika Territory- Agriculture, Dept. of. Leaflet.
Tanganyika Territory- Agriculture, Dept. of. Report.
Transvaal- Agriculture, Dept. of. Report.
Transvaal agricultural journal, issued by the Agricultural Dept. Quarterly.
Transvaal land owners' association. Report of the members of committee.
Tunis- Agriculture, du commerce et de la colonisation, Direction generale de l'. Bulletin. Quarterly.
Uganda. Agriculture, Dept. of. Annual report.
Uganda- Agriculture, Dept. of. Circular.
Union des agriculteurs d'Egypte. Bulletin, monthly.

Australasian Publications

Agricultural gazette of New South Wales.
Australian farm and home. Monthly.
Canterbury agricultural and pastoral association's journal.
Dalgety & company, ltd. Dalgety's annual wool review for Australasia.
Farmers' & settlers' bulletin. Monthly.
The garden and field. Monthly.
Live stock bulletin. Monthly.
New South Wales- Agriculture, Dept. of. Annual report.
New South Wales- Agriculture, Dept. of. Farmers' bulletin.
New South Wales- Agriculture, Dept. of. Miscellaneous publications.
New South Wales- Agriculture, Dept. of. Science bulletin.
New Zealand-Agriculture, Dept. of. Bulletin.
New Zealand- Agriculture, Dept. of. Leaflets for farmers.
New Zealand- Agriculture, Dept. of. Leaflets for gardeners and fruit-growers.
New Zealand- Agriculture, Dept. of. New Zealand journal of agriculture.
New Zealand- Agriculture, Dept. of. Report.
New Zealand- Agriculture, Dept. of- Biology and horticulture, Div. of. Bulletin.
New Zealand- Agriculture, Dept. of-- Livestock and agriculture, Div. of. Bulletin.
New Zealand farmer, stock and station journal. Monthly.
N. Z. L. Quarterly magazine.
Pastoral review.
Producers' review. Darling Downs ed.
Producers' review. Perth.
Queensland- Dept. of agriculture and stock. Annual report.
Queensland agricultural journal.
South Australia- Agriculture, Dept. of. Bulletin.
South Australia- Agriculture, Dept. of. Journal. Monthly.
South Australia- Agriculture, Dept. of. Report.
Tasmania- Agricultural and stock dept. Report.
Tasmania- Agriculture, Dept. of. Bulletin.
Victoria, Australia- Agriculture, Dept. of. Bulletin.
Victoria, Australia- Agriculture, Dept. of. Journal. Monthly.
Western Australia- Agriculture, Dept. of. Annual report.
Western Australia- Agriculture, Dept. of. Bulletin.
Western Australia- Agriculture, Dept. of. Official report.

Tropical and Miscellaneous Publications.

L'Agricoltura coloniale. Monthly.
L'Agronomie coloniale, bulletin mensuel.
Congres de la production coloniale, Marseille. Compte-rendus.
Der deutsche kulturpionier.
Deventer, Netherlands. Koloniaal landbouwmuseum. Jaarverslag over...
Fiji Islands- Agriculture, Dept. of. Annual report.
Fiji Islands- Agriculture, Dept. of. Bulletin.
Gt. Brit. Imperial institute, London. Bulletin.
Hawaii (Ter.) Board of commissioners of agriculture and forestry. Report.
The Hawaiian forester and agriculturist. Monthly.
Hawaiian planters' monthly.
New Caledonia- Agriculture, Chambre d'. Revue agricole. Monthly.
The Philippine agricultural review.
The Philippine agriculturist. Monthly.
Philippine Islands- Agriculture, Bureau of. Circular.
Philippine Islands- Agriculture, Bureau of. Farmers' bulletin.
Philippine Islands- Agriculture, Bureau of. The Philippine farmer. Monthly.
Philippine Islands- Agriculture, Bureau of. Press bulletin.
Philippine Islands- Agriculture, Bureau of. Report.
Plantation news. Monthly.
La revista de agricultura tropical. Monthly.
Revue agricole de l'Ile de la Reunion; organe des agriculteurs et des syndicats agricoles de la Reunion. Monthly.
Seychelles Islands- Botanic station. Annual report on agriculture and crown lands.
Tahiti- Chambre d'agriculture. Bulletin de la chambre d'agriculture de Tahiti.
Teysmannia. Monthly.
Der tropenpflanzer; zeitschrift fur tropische landwirtschaft.
Tropical agriculture; the farm paper for the Philippine Islands. Monthly.
Tropical agriculture; the journal of the Imperial college of tropical agriculture. Monthly.
Tropical agriculturist.
Tropical life. Monthly.
Tropical plant research foundation. Bulletin.
Union coloniale francaise- Action agricole coloniale, comite d'. Publication.

NOTICE

If your address, as given on the envelope in which this number is enclosed, is not correct, please notify the Library of the U. S. Department of Agriculture, Washington, D. C.

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS

Vol. 1, no. 2 February, 1926

Due to the short period which has elapsed since the receipt by the agricultural college and experiment station libraries of the January issue of AGRICULTURAL LIBRARY NOTES, this having been mailed on February 19th, there has apparently not been time to receive from these libraries contributions for this issue. It has, therefore, been necessary to make up this number almost entirely from material from the U. S. Department of Agriculture. It is most earnestly hoped that contributions will be sent regularly in future in time to reach this Library on the twenty-eighth of each month.

Claribel R. Barnett,
Librarian, U. S. Department of Agriculture.

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NOTES OF BIBLIOGRAPHIES

Attention is called to the article entitled "The Scope of Bibliographies" by J. Strohl, Director of the Concilium Bibliographicum, which appeared in "Science" for February 26, 1926. This is of particular interest to agricultural and scientific libraries.

"Swamps and swamp vegetation" is the title of a recent bibliography prepared by Miss H. E. Stockbridge, Librarian of the Forest Service, U. S. Department of Agriculture. It is in typewritten form and comprises seven pages.

"Economic Periodicals of Foreign Countries Published in the English Language" has just been issued in mimeographed form as Agricultural Economics Bibliography no. 11. It was compiled by Miss Louise O. Bercaw, assistant in the Bureau of Agricultural Economics Library, U. S. Department of Agriculture. The list comprises thirteen pages.

"Some References to the Export Corporation Plan" is the title of a typewritten bibliography of six pages which was prepared in the Bureau of Agricultural Economics Library, U. S. Department of Agriculture, on January 19, 1926. An earlier bibliography, consisting of seven typewritten pages, was prepared a little over a year ago (on January 15, 1925) by the Division of Bibliography, Library of Congress, under the title "List of References on the Export Corporation Plan (McNary-Haugen Bill)".

The Office of Experiment Stations has just issued its annual statement entitled "Work and Expenditures of the Agricultural Experiment Stations. It covers the year 1924 and is filled with useful material. One feature which librarians will welcome is a list of the publications of the Stations during 1924 classified by subject.

SOME REFERENCES ON ARTIFICIAL MANURES

Note: The following brief list of the references on this subject which were readily available in the U. S. Department of Agriculture Library is given in response to the request of Miss Lucy M. Lewis, Librarian of the Oregon Agricultural College, contained in the January number of AGRICULTURAL LIBRARY NOTES.

Hutchinson, H. B., and Richards, E. H. Artificial farmyard manure. Great Britain. Ministry of Agriculture. Journal, v. 28, p.298-411. 1921.
Reprinted in part in Tropical agriculturist, v. 64, p. 407-411.
This is the most important reference. It is the original account of the discovery at Rothamsted Experiment Station of the process of making synthetic manure, being the conversion of straw into manure without the intervention of livestock. The process is covered by letters patent (Brit.Pat.No.152387).

Artificial farmyard manure. Live stock journal, v. 101, no. 2673, sup.p.III. June, 1925.
Not examined.

Artificial farmyard manure. Live stock journal, v. 102, p. 217. Aug. 28,1925.
Brief popular statement in regard to discovery. Says that only in recent months has the bacterium producing the change been identified by Mr. P. H. Gray. Another paragraph quotes results of experiments taken from Rhodesia agricultural journal.

Artificial manure. Science, new ser., v. 59, no. 1522, sup. (Science news), p. 12, 14. Feb. 29, 1924.
Short non-technical account of discovery.

Cane trash for fertilizer purposes. Artificially manufactured farmyard manure. Australian sugar journal, v. 16, p. 46-48. 2 pl. Apr. 4, 1924.
Reports correspondence with E. H. Richards of Agricultural Developments Company in regard to feasibility of converting cane trash into fertilizer by "Adco" process. It was believed to be so. Short account of formation of company is given.

Garrad, G. H. Field trials with artificial farmyard manure. Agricultural gazette (London), v. 98, p. 791. Dec. 21, 1923.
Gives results of field trials of synthetic manure compared with natural manure and mentions Agricultural Developments Co. (Adco) formed to work out on a commercial scale the discovery made at Rothamsted.

Hardy, F. Artificial farmyard manure. Tropical agriculture (Trinidad), v. 1, p. 133-134. Sept. 1924.
Mainly a reprint of article in Australian sugar journal, v. 16, p. 46-48. Reprinted in Tropical agriculturist (Ceylon), v. 60, p. 343-344.

Hardy, F. Synthetic farmyard manure. Tropical agriculture (Trinidad), v. 2, p. 108-109. May, 1925.
Reprinted in Tropical agriculturist (Ceylon), v. 65, p. 25-26, July, 1925; Planter and sugar manufacturer, v. 75, p. 88, Aug. 1, 1925; and International sugar journal, v. 27, p. 302-303, June, 1925.
Contains amendments to article in vol. 1, p. 133-134 of Tropical agriculture and to one on Mauritian pen manure in v. 1, p. 116-118, and gives account of the "Adco" process. The term synthetic manure is preferred by the proprietors to artificial manure.
Note: The U. S. Department of Agriculture Library has some extra copies of Tropical agriculture, v. 1-2, which it would be glad to give to a state agricultural library.

SOME REFERENCES ON ARTIFICIAL MANURES (cont'd)

Hutchinson, H. B., and Richards, E. H. Artificial farmyard manure. Great Britain. Ministry of Agriculture. Journal, v.30, p.1163-1164. Mar.1924.
Brief reference to its successful use.

Hutchinson, H. B., and Clayton, James. On the decomposition of cellulose by an aerobic organism (Spirochaeta cytophaga n. sp.). Journal of agricultural science, v. 9, p. 143-173. 1917.
Work herein described was used in investigations on artificial manure.

Lawrence, F. J. Artificial stable manure. Gardeners' chronicle of America, v. 29, p. 216. Aug. 1925.
Brief non-technical statement in regard to discovery, manufacture and use.

Lawrence, F. M. Synthetic farmyard manure. American fertilizer, v. 62, no.2, p. 44. Jan. 24, 1925.
Short account of discovery, etc.

Preliminary report on artificial or synthetic farmyard manure made in southern Rhodesia under the Adco process; field trials with artificial manures. Rhodesia agricultural journal, v. 22, p. 447-453. July, 1925. 2 pl.
Describes making of artificial manure from maize stalks.

Richards, E. H., and Weekes, M. G. Straw filters for sewage purification. Surveyor and municipal and county engineer, v. 60, no. 1539, p. 47-48. 1921.
Work described was used in investigations on synthetic manure.

Synthetic manure is the latest. Rural New Yorker, v. 84, p. 947-949. June 27, 1925.
Popular account. Thinks process may be useful where no livestock is kept.

HEARINGS BEFORE CONGRESSIONAL COMMITTEES

Beginning February 4, 1926, the Congressional Record is publishing each day the schedule of hearings to be held by the Committees of the U. S. House of Representatives. We are hoping that the Senate may in time do the same. All librarians realize the difficulty that has existed in obtaining copies of the printed hearings held by Committees of the U. S. House of Representatives and the Senate because of the fact that the small supply printed was usually exhausted before the librarians knew that hearings were to be held. Such sufferers will welcome the partial relief afforded by the House of Representatives list.

The Hearings on the Agricultural Appropriation Bill, 1927, before the Sub-committee of the Committee on Appropriations, United States Senate, and the Hearings before the Sub-committee of the House Committee on Appropriations, in charge of the bill, contain much valuable material in regard to the activities of the U. S. Department of Agriculture and the condition of agriculture.

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A valuable new source of information about government activities is "The United States Daily" which made its bow to the public on March 4, 1926. It presents "the only daily record of the official acts of the Legislative, Executive and Judicial Branches of the Government of the United States of America." It will have a daily, weekly, and yearly index. The pages are to be numbered consecutively in accordance with the suggestion of the American Library Association.

AGRICULTURAL SURPLUS PLANS*

A short list of references to comments, principally in farm journals, on various plans for the disposal of the agricultural surplus.

Compiled in the Library, Bureau of Agricultural Economics, U. S. Department of Agriculture.

American Wheat Growers' Plan

Must get back to the original export plan. We believe Congress would enact bill as drafted by American Wheat Growers. (In Idaho Farmer, Feb.18, 1926, p.155; also in Washington Farmer, Feb.18,1926, p.163)

Dickinson Plan

Dickinson, L. J. Exports and co-operation. How the Dickinson bill deals with both problems. (In Wallaces' Farmer, Nov. 13, 1925, p.1490,1492)

Objections to Dickinson bill. An analysis of points made in opposition to it. (In Prairie Farmer, Feb.20,1926, p.262,278)

What's in the Dickinson bill; a review of this plan of handling the surplus. (In Prairie Farmer, Feb.13,1926, p.208)

Hibbard Plan

Hibbard, B. H. Disposing of the surplus crops. (In Grain Dealers Journal, Dec. 25, 1925, p.784)
"Prominent among the programs that offer relief is one, long neglected, which would bring under social control the utilization of the land resources of the country."

Hibbard, B. H. What to do for agriculture. [1926?] 21 numb. leaves. Typewritten.
Bounties on exports: leaf 18-21.
The author states that to pay a bounty on exports will endanger the income of the government, and then he presents "a simpler, more feasible plan of helping to get rid of surplus products."
Copy on file in the Library, Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

New surplus bounty plan proposed. (In Wisconsin Farmer, Feb. 18, 1926, p.240-241)

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*The Library of the Bureau of Agricultural Economics, U. S. Department of Agriculture has prepared a 9-page typewritten list of bills introduced in the 69th Congress, prior to Feb. 15, 1926, which deal with the relief of agriculture. There are thirteen references to "surplus" bills.

AGRICULTURAL SURPLUS PLANS (cont'd)

Lowden Plan

Lowden, F. O. A powerful presentation of the plight of agriculture. Address ... at Des Moines. (In Missouri Farmer, Feb. 15, 1926, p.75,79)

Governor Lowden's economics. (In Farm, Stock & Home, Jan. 15, 1926, p.36)

Meredith Plan

Meredith, E. T. Let government care for surplus. (In the Swine World, Dec. 1925, p.9-11,22)
"Balanced production."

Noyes Plan

Noyes, C. R. The Noyes farm relief plan. Suggestions for making the tariff effective. (In The Farmer, Jan. 2, 1926, p.11,18)

Noyes, C. R. The tariff and agriculture. Modification seems logical remedy for surplus problem. (In The Farmer, Feb.20,1926, p.296,311)

General Discussion of the Above and Other Plans

Anderson, Sydney. Farm relief bills do not solve surplus problem. (In Modern Miller, Feb. 13, 1926, p.21)

Farm relief - what to do about the surplus. (In Farming Topics, Feb. 1926, p.5-7)
Quotes Secretary Hoover, H. A. Wallace, R. W. Thatcher, Clarence Ousley, Frank O. Lowden, Professor Filley, Dr. Henry C. Taylor and C.R. Noyes.

Jardine, W. M. Statement ... on the subject of a plan to handle surplus farm products. U. S. Dept. of agriculture, Dec. 23, 1925. 3 numbered leaves. Mimeographed.
Press release.

Murphy, D. R. The story of the corn belt meeting. (In Wallaces' Farmer, Feb.5, 1926, p.175-176,187-189)

Our farm surplus problem. (In Farming Topics, Feb.1926, p.5-7)
"Plans for solution discussed by Edwy B. Reid and E. T. Meredith differ widely. Reid unfavorable to agreement price control and tells why it will not work. Meredith favors government control. Gives his plan and tells how it will work."

Jones, W. L. What do these export corporation bills signify? (In Washington Farmer, Feb. 18, 1926, p. 166,169)

AGRICULTURAL SURPLUS PLANS (Cont'd)

Reid, Edwy. B. That surplus problem. (In Country Gentleman, Jan. 1926, p.25,128-129)

Thatcher, R. W. The corn belt unrest. "All-agricultural conference" ignores far West, South and East. (In Country Gentleman, Mar. 1926, p.33)

Thatcher, R. W. Equality for agriculture. (In Country Gentleman, Feb. 1926, p.33,165-167)

Wallace, H. A. Odds and ends. (In Wallaces' Farmer, Feb.5,1926,p.179)
An editorial in which "the long weary road of the export plan" is reviewed.

Wallace, H. A. The South and the export plan. (In Wallaces' Farmer, Jan. 15,1926, p.3,13)

PAMPHLETS ON THE EXPORT SURPLUS

Wallaces' Farmer (Des Moines, Iowa) has issued a pamphlet of eight pages entitled "Equality for Agriculture; The Fight for the Export Plan". It contains the three articles whose titles follow: The South and the Export Plan, by H. A. Wallace; The Dickinson Bill [an abstract]; and Exports and Cooperation, by Hon. L. J. Dickinson.

The correspondence, covering about a year's time, between Sir Josiah C. Stamp, George N. Peek, and Chester C. Davis, regarding the problem of the export surplus, has been published in pamphlet form. The pamphlet has been given the title "The Agricultural Problem of the Export Surplus" and was published in January, 1926. Copies can probably be obtained from Mr. George N. Peek, of Moline, Illinois, or from Mr. Chester C. Davis, Illinois Agricultural Association, 608 South Dearborn Street, Chicago. It has also been reprinted under the title "Exportable Surplus of American Farm Products", in the Congressional Record, March 4, 1926, p.4762-68.

SURVEYS OF AGRICULTURAL INTEREST

The two publications noted below are of much interest and value and may be obtained free by writing to the addresses given:

Ohio Bell telephone company. Economic survey of Ohio. 46p. (General Commercial Engineer's Office, Ohio Bell telephone company, Cleveland, Ohio)

Rees, Ralph Waldo. Apple survey of the United States and Canada... (Issued by the Department of agricultural relations of the New York central lines, 466 Lexington Ave., New York City)

AGRICULTURAL LIBRARIES IN THE UNITED STATES

By Mabel Colcord, Librarian, Bureau of Entomology,
U. S. Department of Agriculture.

In Madison, Wisconsin, there has recently been established the Charles C. Miller Memorial Apicultural Library. Upon the death of Dr. Miller in September, 1920, a number of his friends, seeking to establish a memorial which should keep fresh in the minds of future beekeepers one of the greatest workers in the history of beekeeping, decided this should take the form of an apicultural library. They chose a committee, collected funds, and began to assemble the literature of beekeeping. As Dr. Miller's home was at Marengo, Wisconsin, the University of Wisconsin was given the privilege of acting as custodian of this library, and in August, 1922, it was established at that institution. Prof. H. F. Wilson, editor of Wisconsin Beekeeping, formerly a member of the Federal Bureau of Entomology, is in charge. Under his energetic management, through gifts from individual beekeepers and from the funds collected for the endowment, this is fast becoming one of the great apicultural libraries of the country. In June, 1925, it had an income of considerably over $100.00 a year from the endowment fund and many small gifts of books and periodicals are constantly being added. A twenty-five page list of the books and pamphlets contained in the library was published in Wisconsin Beekeeping for June, 1925, and additions have been listed in later issues. The University of Wisconsin has agreed to spend a certain sum yearly for periodical subscriptions and to pay for the binding of all unbound material secured. Forty or more journals are received by gift and about one hundred others will be subscribed to from the endowment fund. With the new year this library issues "Library News Notes", a mimeographed sheet. The February, 1926, number contains an interesting note on Francis Huber (1750-1831), the blind bee master, and his works contained in the Miller library.

At Cornell University another big apicultural collection has been started. Dr. E. F. Phillips, formerly of the Federal Bureau of Entomology, is now there as Professor of Beekeeping. Through an arrangement with the A. I. Root Company of Medina, Ohio, over one hundred and forty bee journals are now being received there; several back files of important foreign journals have been purchased, and others will be added as funds permit. For American bee books and journals they are depending almost entirely on donations from interested beekeepers in the United States. To establish an endowment fund Dr. Phillips has devised an ingenious scheme whereby any beekeeper in New York State or elsewhere, desiring to cooperate, may set aside one colony of bees, the income of which at the end of a year is to be given to the endowment fund. When contributions from any one cooperator have reached $50.00, each year thereafter one book will be purchased from the endowment fund and inscribed with the name of the donor. The colonies of bees set aside for this work bear special metal plates, and prizes are offered for the one making the most money yearly. This library will be catalogued and will become an integral part of the library of the New York State College of Agriculture. A collection of portraits of beekeepers, of autographed letters, and of original manuscripts will also be kept, and ultimately Dr. Phillips hopes to establish a museum of important objects in the advancement of apiculture. He has compiled an interesting pamphlet "The Cornell Beekeeping Library" which given in detail his plans for the library.

APICULTURAL LIBRARIES IN THE UNITED STATES (cont'd)

The apicultural collection of the Library of the U. S. Department of Agriculture is filed at the Bee Laboratory, Somerset, Maryland. It is at present probably the largest and best collection in the United States. Its aim is not to try to secure everything but to get the more important apicultural works both foreign and domestic, and thus gather together a representative working collection of the bee literature of all countries.

These three libraries are growing so rapidly that the need is felt for a special classification of bee literature. Prof. H. F. Wilson, Dr. E. F. Phillips, and Miss Mabel Colcord, Librarian of the Bureau of Entomology, U. S. Department of Agriculture, are now at work on such a classification and hope soon to evolve one which will be of use not only for their large collections but for smaller collections of bee literature as well.

VAGUE REQUESTS

The Librarian of the Bureau of Agricultural Economics, U. S. Department of Agriculture, raises the question whether the agricultural librarians at the state colleges who take part in planning the Radio programs of their institutions could do anything in this way or in any other way to impress upon the teachers in rural schools and the public generally the importance of being specific in their requests. Much loss of time and effort is occasioned by such requests as "Please send me American food products, Bulletin 28", which after considerable search we decided was Office of Experiment Stations Bulletin no. 28 entitled "The Chemical Composition of American Food Materials", or else Service and Regulatory Announcement no. 28 relating to the inspection of food products. A school girl wrote in for "one of your bulletins from a pound of wheat to a loaf of bread" which we were unable to identify but suggested that she consult The Story of a Loaf of Bread by T. B. Wood and The Story of a Grain of Wheat by W. C. Edgar. Another recent undated letter asked whether there was "a bulletin issued by the State of Kentucky similar to Bulletin 65 by Wisconsin". The correspondent stated further that she would like bulletins on this subject from New Jersey, Virginia, and North Carolina, also. We looked up bulletin 65 of the Wisconsin Experiment Station and found that its title was "A bacterial rot of cabbage and allied plants". We had a short reading list on Diseases of Cabbages which we checked for the states indicated and sent to her with a list of the addresses of the experiment stations for these states, but was she really interested in bacterial rot of cabbages or did she mean Research Bulletin 65 of Wisconsin which relates to fertilizers? We have no way of knowing.

PERIODICALS WANTED

The library of the Bureau of Agricultural Economics, U. S. Department of Agriculture, needs the periodicals noted below to complete its files and will be very grateful to any library that can supply them:

Cotton Trade Journal, April 4 and 11, 1925.
Journal of Commerce (N.Y.), March 19, 1924 and March 11 and 19, 1925.

LIST OF NEW AGRICULTURAL PERIODICALS AND CHANGED TITLES

New Periodicals

American.

American poultry association news. quar. il. f°. v. 1, no. 1, Sept. 1925. Pub. by American poultry association. (Business manager, E. B. Riggs, 655 W 3d St., Ft. Wayne, Ind.)

Better understanding between industry & agriculture; a national movement devoted to the encouragement of legitimate cooperation between the business men of the city - the manufacturers - and the business men of the country - the farmers ... [mo.?] 4°. v.1, no. 1, Oct. 1925. Washington, D. C. (Executive director, Henry Harrison Lewis, 602 Lenox Bldg.)

Fertilizer review. mo. il. 4°. v. 1, no. 1, Jan. 1926. Pub. by National fertilizer association, 616 Investment Bldg., Washington, D. C. (gratis)

Review of German economic conditions. quar. 8°. no. 1, Nov. 1925. Stoehr & sons, inc., 200 Fifth Ave., New York. (gratis)

Foreign.

New Zealand dairy produce exporter. mo. il. f°. v.1, no.1, July 1925. Wellington, N.Z. (P. O. Box 1001) Official organ of New Zealand daily produce export control board. (7sh.6d. per annum.)

Changed Titles

American.

Chester white post. Des Moines, Ia. Changed to Chester white world, with v.5, no.11, Aug.15, 1925.

Hollywood magazine. Hollywood, Fla. Changed to Tropical America, with v.2, no.2, Dec. 1925; changed to South, with v.2, no.3, Jan. 1926

National stockman and farmer. Ohio edition. Pittsburgh, Pa. Changed to Ohio stockman and farmer with v.49, no.40, Jan.2, 1926.

National stockman and farmer. Pennsylvania and eastern edition. Pittsburgh, Pa. Changed to Pennsylvania stockman and farmer with v.49, no.40, Jan.2, 1926.

Sugar beet journal. San Francisco. Changed to Western irrigation, with v.8, no.5, Dec. 1925.

Foreign.

Zeitschrift für wissenschaftliche biologie. Abt.E. Archiv für wissenschaftliche botanik. Berlin. Changed to Zeitschrift für wissenschaftliche biologie. Abt. E. Planta; archiv für wissenschaftliche botanik.

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An interesting account of "The Life and Chemical Services of Frederick Accum" by Dr. Charles Albert Browne, Chief of the Bureau of Chemistry, U. S. Department of Agriculture, has been reprinted from the Journal of Chemical Education of the American Chemical Society. It comprises fifty-eight pages and is illustrated. Accum was the "pioneer crusader against food adulteration." Biographies of this kind which give material on the history of scientific literature are especially interesting and helpful to library workers.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during February 26, 1926,
exclusive of current issues of serials.

Explanatory Note: In the January issue of AGRICULTURAL LIBRARY NOTES was included a list of the more important separate mimeographed publications which were issued during January, 1926, and also a list of the principal serial mimeographed publications which are issued regularly, with the exception of the periodical reports relating to crops, markets, and agricultural economics issued by the B ureau of Agricultural Economics. The latter were not included as a separate mimeographed list of them is available.

Bureau of Agricultural Economics

The agricultural outlook for 1926. 1926 51p.

The agricultural outlook for 1926. Summary. 1926. 7p.

The agricultural survey of Europe. Italy. By Asher Hobson...with the collaboration of O. R. Agresti and P. A. McDonnell. Ed. by Louis G. Michael... 1926. 93p. (Division of statistical and historical research, Foreign section. Report F.S. 35)

Crop and market news broadcasting schedules. A review of the market news service by radio and the schedules of broadcasting of stations having agricultural programs. 1926. 15p. (Issued by the Market news service)

The economic limits of cost of water for irrigation; North Sterling irrigation district, Logan county, Colorado. By R. P. Teele...and Paul A. Ewing... A preliminary report. 1925. 35p.

List of manufacturers and jobbers of fruit and vegetable containers. Revised to February, 1926. 15p. (Compiled by Cecile K. Linn)

Summary of cases and decisions on legal phases of cooperation. No. 3, A compilation of legal information pertaining to cooperative organizations... 1926. 48p. Prepared in the Division of agricultural cooperation.
Reprinted from Agricultural Cooperation, Vol. III (March 2, 1925 to December 31, 1925.)

Bureau of Biological Survey

Publications of interest to game breeders. 1926 4p. (Bi-203)

Bureau of Dairying

Some factors concerned in the keeping quality of milk powders. [1926?] 8p. (B.D.M.249)

Forest Service

Opportunities for development of newsprint paper manufacturing industry of the Tongass national forest, southeastern Alaska. 1926. 10p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (cont'd)

Extension Service

Copper-carbonate treatment for stinking smut of wheat. Excerpts from 1925 annual reports of state and county extension agents. [By] F.C. Meier... and M. C. Wilson...1926. 18p. (Office of cooperative extension work Brief no. 35)

Cotton - Improved seed and varieties. Excerpts from 1924 annual reports of state and county extension agents. Prepared by J. A. Evans... and M. C. Wilson... 1926. 24p. (Brief no. 31)
Issued by the Office of cooperative extension work of the Extension Service and the Bureau of Plant Industry.

Landscape gardening. Excerpts from 1924 annual reports of state and county extension agents. Prepared by M. C. Wilson... and F. L. Mulford... 1926. 21p. (Brief no. 30)
Issued by the Office of cooperative extension work of the Extension Service and the Bureau of Plant Industry.

State extension programs and their relation to agricultural research. 1926. 12p. (Prepared in the Office of cooperative extension work)

Packers and Stockyards Administration

Packers and stockyards act; purpose and method of administration. (1926?) 6p.

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EUNICE ROCKWOOD OBERLY MEMORIAL FUND PRIZE

This prize is offered bi-ennially for the best bibliography in the field of agriculture or the natural sciences, the amount of the prize being the bi-ennial interest on the fund which is a little more than $1,000. The award of the second prize will be made the last of December, 1926, and all contributions in competition for it should be submitted to the Chairman of the Committee not later than December 1, 1926. Further particulars in regard to the conditions of the prize are given in the printed circular entitled "The Eunice Rockwood Oberly Memorial Prize," copies of which may be obtained upon application to the Chairman of the Committee. Copies of the Committee report for 1924-1925 are being mailed to the state agricultural college and experiment station libraries. It is hoped that a number of librarians and assistants in agricultural and scientific libraries will compete for the next prize.

Claribel R. Barnett, Chairman,
Oberly Memorial Fund Committee.

DUPLICATES OF AGRICULTURAL PUBLICATIONS

Miss Estelle Lutrell, Librarian of the University of Arizona, has sent the following query to the Library of the U. S. Department of Agriculture and would no doubt be glad to have suggestions from other libraries: "I should like some advice from your library as to the best disposition to make of a large quantity of U. S. Department of Agriculture and state experiment station duplicates. For twenty-five years or more two collections were maintained of this material on our campus. Of late we have consolidated and should like to place this material where it would be of some use. Although these two sets have been running for some time we do not have a complete file of either the Federal or State documents, and should naturally like to exchange some of our numbers for others which we lack. Of course I am familiar with the method of sending out 'Duplicate lists' and 'Want lists', but I also know that but few librarians take the time to check these through. Do you attempt to store U. S. Department of Agriculture duplicates, or arrange for exchanges? Is there anywhere a clearing house for this type of material, both federal and state? Our duplicates have become a burden, and still I dislike the thought of destroying numbers which may be the very ones needed by some other library to complete its files." By giving publicity in AGRICULTURAL LIBRARY NOTES to Miss Lutrell's offer, it is hoped that it will come to the attention of some library which will wish to take advantage of it.

Attention is also called to a set of the earlier bulletins of Cornell University Agricultural Experiment SStation which can be obtained upon application to the Librarian, Bureau of Plant Industry, U. S. Department of Agriculture.

The question of duplicates is one of the most troublesome with which a library has to deal. Every librarian feels as Miss Lutrell does, that the duplicates are a burden and yet is loath to destroy them, knowing that there are probably among them many items which some other library lacks and would be glad to have. Few libraries, however, are able to take the time to list their duplicates and it is also probably equally true that not many libraries take the time to check such lists of duplicates as are offered. Up to date only two requests have been received for any of the duplicates offered by the U. S. Department of Agriculture Library in the January issue of AGRICULTURAL LIBRARY NOTES. Unless more requests are received in future, it will apparently not be worth while to continue to list them. Having made the offer, however, less compunction need be felt in destroying the duplicates, which action will soon be necessary on account of lack of space. At one time the Library of the Office of Experiment Stations did in effect act as a clearing house for state experiment station publications, but lack of space as well as lack of sufficient assistance finally forced it to return all of its duplicates to the issuing stations. This same practice it now follows in connection with the duplicate station publications which it currently receives from various sources. The Library of the Department was also formerly able to do much more with its duplicates than it is at present but as in the case of the Office of Experiment Stations, limited space and assistance for the work has made it necessary to leave to the indefinite future the carrying out of the dream which it once had of acting as a clearing house for agricultural duplicates in general. In the menatime it is hoped that lists of "Offers" and "Wants" in AGRICULTURAL LIBRARY NOTES will be of some service along this line and that suggestions will be forthcoming as to other ways of helping to solve the problem.

DUPLICATES AVAILABLE FOR EXCHANGE

The Library of the U. S. Department of Agriculture has many duplicates of the following serials. From lack of assistance it is impossible to make a list of the volumes and numbers which we have of each title. However, if libraries will send a list of any numbers of these serials which they lack we will send such as are available. For the most part the numbers are comparatively recent.

Belgian Publications.

Annales de Gembloux. Monthly.
Belgium-Agriculture et des travaux publics, Ministere de l'agriculture et de l'horticulture, Administration de l'. Avis aux cultivateurs.
Belgium-Agriculture et des travaux publics, Min. de l'. Bulletin de l'administration de l'agriculture. Monthly.
Belgium-Agriculture et des travaux publics. Ministere de l' - Office rural. Rapports et communications.
Boerenbond belge. Exercise. Rapport.
Journal des agriculteurs de Belgique. Weekly.
Revue generale agronomique.

British Publications

Agricultural gazette and modern farming. Weekly.
Agricultural students' gazette.
Cork, Ireland. University. Agricultural Bulletin.
Great Britain-Agriculture and fisheries, Board of. Miscellaneous publications.
Great Britain-Agriculture and fisheries, Board of. Food production. Leaflet.
Great Britain- Agriculture and fisheries, Board of. Leaflets.
Great Britain-Agriculture and fisheries, Ministry of. Journal. Monthly.
Highland and agricultural society of Scotland. Transactions.
Ireland-Agriculture and technical instruction, Department of. Annual general report.
Ireland-Agriculture and technical instruction, Department of. Journal.
Irish agricultural organization society. Ltd. Report.
The Irish homesteac. Weekly.
Journal of agricultural science.
Journal of the central and associated chambers of agriculture and the agricultural record. Monthly.
Landswoman. Monthly.
London. Farmers' club. Journal.
Mark Lane Express, agricultural journal and live stock record. Weekly
Northern Ireland-Agriculture, Ministry of. Technical bulletin.
Royal agricultural society of England. Journal.
Royal Jersey agricultural and horticultural society. Annual report.
Scotland. Board of agriculture. Report. Edinburgh.

DUPLICATES AVAILABLE FOR EXCHANGE (continued)

British Publications.

Scottish agricultural organization society, Ltd. Report.
The Scottish journal of agriculture. Quarterly.
Scottish society for research in plant-breeding. Report by the directors to the annual meeting.
The Small holder, gardener allotment-holder and poultry keeper. Weekly.
University College of Wales - Agricultural department. Journal.
Welsh journal of agriculture.
Yorkshire agricultural society. Transactions.

Dutch Publications

Algemeen Nederlandsch landbouwblad. Weekly
Friesch landbouwblad. Weekly.
Nederlandsche heidemaatschappy. Tyschrift, Monthly.
Netherlands-Binnenlandsche zaken en landbouw, Dept. van-Landbouw, Dir. van den. Ruilverkaveling.
Netherlands - Landbouw nijverheid en handel, Dept. van. Verslag over den landbouw in Nederland.
Netherlands - Landbouw, nijverheid en handel, Department van-Landbouw. Directie van den. Beschouwingen over landbouwstatistiek.
Netherlands-Landbouw nijverheid en handel, Ministerie van - Landbouw, Directie van den. Stand der landbouwgewassen.
Netherlands - Landbouw, nijverheid en handel, Department van-Landbouw, Directie van den. Verslag bentreffende de takken van dienst ressorteerende onder de Directie van den landbouw over.
Netherlands - Landbouw, nijverheid en handel, Departmente van-Landbouw Directie van den. Lyst van officieele personen, instellingen en vereenigingen op land - en tuinbouw gebied.

French Publications.

Academie d'agriculture de France, Paris. Comptes rendus de seances de l'Academie d'agriculture de France.
Academie d'agriculture de France, Paris. Memoires.
Annales de la science agronomique.
Bulletin agricole et viticole de la. Touraine.
France-Agriculture, Min. del'. Bulletin.
France. Department du Finistere-Station agronomique et laboratoire departemental. Bulletin des annees.
France- Renseignements agricoles, Office de. Bulletin.
France- Renseignements agricoles, Office de. Feuille d'informations de Ministere de l'agriculture. Weekly.
La France paysanne; organe de defense des interets agricoles. Weekly. Merged with Le Petit journal agricole, under title: Le Petit journal agricole and la France paysanne reunis.
La France rurale. Weekly.
Journal d'agriculture de Sud-Ouest.
Journal d'agriculture pratique.

DUPLICATES AVAILABLE FOR EXCHANGE (continued)

French Publications (con't)

Mission des association agricoles. Brochure.
Le Petit journal agricole and La France paysanne.
Progres agricole et viticole.
Societe des Agriculteurs de France. Bulletin.
Societe centrale d'agriculture, d'horticulture et d'acclimation de Nice et des Alpes-Maritime. Bulletin mensuel.
Vermorel, Victor. Agenda Agricole et viticole.
La Vie agricole. Weekly.

Scandinavian Publications

Allmanna svenska landtbruks - malet. Berattelse.
Dansk hedeselskab. Hedeselskabets tidsskrift.
Denmark- Landbrugaraadet. Beretning om Landbrugsraadets virksomhed.
Denmark- Landøkonomiske driftsbureau. Undersøgelser over landbrugets driftsforhold.
Denmark-Statens planteavlsudvalg. Beretning fra statens forsøgsvirksomhed i plantekultur.
Denmark-Statens planteavlsudvalg. Meddelelse fra statens forsøgsvirksomhed i plantehulture.
Landøkonomisk aarbog for 1900-1921. Oversigt over det danske landburgs organization.
Malmous lans hushallnings-sall-skaps. Karvtalsskrift.
Norsk landmandsblad. Juleaften paa landet. illus. f. Kristiania. Bilag til "Norsk landmandsblad".
Norway. Landbruks departementet. Beretning om de offentlige foranstalninger til landbrugets freme. Udg. af land-brugsdirektøren. Kristiania.
Selskab (Kong) for Norges vel. Arbeidslønnen i jordbruket.
Sweded-Kongliga landtbruksstyrelse. Kongl. Landtbruksstyrelsens underdaniga berattelse for ar.
Sweden-Kongliga landtbruksstyrelse. Meddelanden.
Svenska mosskulturforeningen. Forteckning over svenska mosskulturforeningens ledamoter den 1 Januari.
Svenska mosskulturforeningen. Tidsskrift.
Tidsskrift for det norske landbrug.
Zealand. Samvirkende landboforeninger i Sjaellands stift. Beretning om landboforeningernes virksonhed for plant eavlen paa Sjaelland.
Zealand. Samvirkende landboforeninger i Sjaellands stift. Beretning om virksomhed.

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS.

Vol. 1, No. 3. March, 1926.

NOTES ON BOOKS AND BIBLIOGRAPHIES

"Chemistry in Agriculture, a Cooperative Work intended to give Examples of the Contributions made to Agriculture by Chemistry" is the title of an authoritative new work showing the important place which chemistry occupies in its relation to agriculture. It is edited by Joseph S. Chamberlain, Professor of Agricultural and Organic Chemistry, Massachusetts Agricultural College, and C. A. Browne, Chief, Bureau of Chemistry, U. S. Department of Agriculture, and published by The Chemical Foundation, Inc. The titles of the various chapters are as follows: I Crops and the soil; II The world's food factory, or the plant in air and light; III Soil life; IV Where the nitrogen comes from; V Maintaining soil fertility; VI Cereals; VII Sugar and sugar crops; VIII Fruits and vegetables; IX Fermentations on the farm; X Chemical warefare to save the crops; XI Agriculture and the evolution of our diet; XII Vitamins in human and animal nutrition; XIII Meat in its relation to human nutrition and agriculture; XIV Chemistry as a guide in animal production; XV The chemistry of milk and its products; XVI The chemist as detective and policeman, or fertilizer, feed and insecticide control. All the chapters are written in simple language and are for the most part by men connected with the state agricultural experiment stations or the U. S. Department of Agriculture who are specialists in the respective subjects with which their chapters deal. The book is one which should certainly be added to the list of books for the agricultural librarian's reading.

A new edition of "Aristocrats of the Garden", by Ernest H. Wilson, has very recently been issued by The Stratford Company, Boston, Mass. An enquiry of the publishers as to how this new edition differs from that published by Doubleday, Page & Company, in 1917, brought the following reply: "Answering your communication of March 20th with reference to E. H. Wilson's book 'Aristocrats of the Garden', we beg to advise you that the new edition has a new prologue written by Mr. Wilson, and the original text matter has been revised and corrected. The illustrations are new, many of which have never before been published. The book is bound in cloth, and is a somewhat larger volume than the original edition."

The new book on alfalfa, entitled "Alfalfa Growing in the United States and Canada", by George Stewart, Agronomist of the Utah Agricultural Experiment Station, which has just been issued by The Macmillan Company, in the Rural Science Series, contains an extensive bibliography on alfalfa (pp.439-474). In connection with the bibliography it is of interest to agricultural librarians to note the acknowledgment made by the author of help received from librarians. The following is from the preface: "Miss L. M. Centerwall, of the University Farm Library, University of Minnesota, generously assisted in completing the bibliography. Mrs. Blanche C. Pittman (Librarian of the Utah Agricultural Experiment Station) and Mrs. Wynona B. Stewart have both spent many hours on the manuscript. J. L. Mortensen worked up the major part of the bibliography". Librarians will also be particularly interested in the chapter on the "History of Alfalfa" (pp.20-34).

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd.)

The sources of statistics of thirty commodities are given in bibliographical form in the mimeographed pamphlet by the Bureau of Agricultural Economics entitled "Principal sources of information used in the preparation of the Agricultural Outlook for 1926". The commodities include wheat, oats, cotton, beef cattle, dairy products, poultry and eggs, potatoes, citrus fruits, tobacco, sugar, etc. The divisions of the "Principal sources of information" correspond in order to the sections of the Agricultural Outlook for 1926, which was issued as Miscellaneous circular no. 65 of the United States Department of Agriculture.

The first item in this pamphlet is a careful outline of the purpose of the Agricultural Outlook. Following this is a general explanation of the Committee under whose direction it was prepared and a short description of the general data used.

With the beginning of a new volume of the "Experiment Station Record" in January, 1926, a number of changes in the arrangement and classification of the abstracts became effective. "Some of these, such as the change in title of the opening section from Agricultural Chemistry - Agrotechny to Agricultural and Biological Chemistry, are, like the substitution some months ago of the more commonly used Agricultural Engineering for Rural Engineering, intended merely to express more accurately the present scope of the sections and involve no innovations as to subject matter. Of greater significance, however, is the group of alterations which are designed to assemble in more convenient and readily accessible form the abstracts pertaining to the rapidly increasing literature dealing with the various branches of home economics." The changes are explained in detail in the editorial on pages 3 to 5 of the Record for January, 1926.

"No lover of flowers or admirer of successful printing can pick up the first volume now ready of 'North American Wild Flowers', by Mary Vaux Walcott, without feeling the exhilaration that can be imparted to a really notable publishing undertaking. The work when completed will be in five volumes. There will be 500 plates of American wild flowers in their natural color and full size. It is the publication of The Smithsonian Institution, the result of years of preparatory work." These are the opening sentences of an interesting description of this important work which appeared in "The Publishers' Weekly" for March 27, 1926, pages 1127-1128. (See also Publishers' Weekly, Apr. 3, 1926, p. 1206)

In "Science" for April 2, 1926, there is a note on page 361, by William Trelease, on the new twenty-third volume of that great botanical work, Saccardo's "Sylloge Fungorum". The new volume, prepared since Saccardo's death, has been given out under the authorship of Professor Trotter, of Portici, Italy. It may be of interest in this connection to note that the Library of the International Institute of Agriculture at Rome has recently acquired Saccardo's annotated copy of volumes 1 to 22.

"Rural Life in American Fiction" by Mary Katharine Reely, which appeared in the "Wisconsin Library Bulletin" for March, 1926, is a report which Miss Reely made for Professor Kolb's Seminar on The Country Town in its Rural Relationship, University of Wisconsin. It is a most interesting analysis of recent literature on country life in America. In the list of novels of rural life which follows the article itself, the novels have been grouped according to their social interest, the titles being usually arranged in the chronological order of their publication.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd.)

"The Backs of Books and other Essays on Librarianship", by William Warner Bishop, has recently been published by Williams & Wilkins, Baltimore. Librarians will wish to read all the essays but the following bear more particularly on the problems of agricultural libraries: The Amount of Help to be given to Readers; Training in the Use of Books; Cataloging as an Asset; The Theory of Reference Work; Changing Ideals in Librarianship; Our College and University Libraries - A Survey and a Program; and The Record of Science.

Another important addition has been made to the list of histories of state agricultural colleges in the recent book entitled "Purdue University; Fifty years of Progress", by William Murray Hepburn, Librarian, and Louis Marten Sears, Professor of History at Purdue University. Agricultural librarians are proud of this achievement by one of their co-workers.

The Connecticut Agricultural Experiment Station, New Haven, has recently issued "A History of Connecticut Agriculture", by E. H. Jenkins, Director Emeritus. It is reprinted from vol. 2 of the new "History of Connecticut" by Norris Galpin Osborn.

"The Plant Content of Adobe Bricks" is the title of a pamphlet of seventeen pages by George W. Hendry and Margaret P. Kelley which originally appeared in the Quarterly of the California Historical Society for December, 1925. The authors describe the article as "A contribution to the agricultural history of California derived from a study of the plant remains found in adobe buildings". It contains also a note on adobe brick making.

"Newspapers in Community Service" by Norman J. Radder, New York, 1926 (McGraw-Hill Book Co.), has an interesting chapter on "Pointing the way in agriculture" (pp. 48-73). Appendix A is a List of Books on Municipal Problems and Appendix B is a List of Magazines on Municipal Problems.

A "Horticultural Trade Directory" for 1926 has been published by the A. T. De La Mare Co., Inc., 448 West 37th Street, New York City. The American Florist Company has not published a directory since 1922.

A complete list of Forest Service publications was issued in mimeographed form by the Forest Service on December 1, 1925. The list comprises 57 pages.

"Government Control of Export and Import in Foreign Countries" has recently been issued in mimeographed form as Agricultural Economics Bibliography no. 12. It was compiled by Mrs. A. M. Hannay of the Bureau of Agricultural Economics Library, U. S. Department of Agriculture, and comprises 126 pages.

"Cooperative Marketing of Tobacco", compiled by Miss Katharine F. Williams, Division of Agricultural Cooperation, Bureau of Agricultural Economics, in cooperation with the Bureau library, has been issued in mimeographed form as Agricultural Economics Bibliography no. 13. It comprises five pages.

The "Partial List of Publications on Dairying issued in the United States, 1900 to June, 1923" (U. S. Department of Agriculture Library, Bibliographical Contribution no. 6), compiled by Carrie B. Sherfy, formerly Librarian of the Bureau of Animal Industry and now Librarian of the Bureau of Dairying, which has been out of print for more than a year, has recently been re-issued in mimeographed form and is now available for distribution.

MISCELLANEOUS NOTES

Miss Jessie Jenks of the University of Illinois Library School, did her month's practice work, required in the senior year, at the Iowa State College Library, Ames.

The U. S. Department of Agriculture Library having recently received a request for a list of references on "Agriculture as a Life Work", would be glad to know whether any other library has collected references on this subject.

In response to the request from the U. S. Department of Agriculture Library for quotations on agriculture, a large number, new to its collection, were received from Miss K. M. Stanford, Librarian of the Agricultural College, State College, Pennsylvania.

In a circular of the U. S. Civil Service Commission, dated January, 1926, and entitled "Opportunities for chemists in the United States Civil Service", there is a table on pages 9-15 showing the approximate number, salary ranges, and specialties of chemists in the various government bureaus.

The first editorial in the "Experiment Station Record" for January, 1926, is an appreciation of the services of the late Dr. Henry Jackson Waters in the cause of agricultural education and research in this country. It is of interest to agricultural librarians to note that it was under Dr. Waters' administration of the College of Agriculture of the University of Missouri that the agricultural library was established.

A reference assistant in one of the large public libraries recently wrote to the U. S. Department of Agriculture Library for advice in regard to discarding old volumes of the Monthly Catalogue of U. S. Public Documents after the Document Catalogue for the same period had been received. After consultation with the Superintendent of Documents' Office the advice was given that it would be well to keep the Monthly Catalogue unless the library was limited for space. Nothing is supposed to be included in the Monthly Catalogue that is not in the Document Catalogue but sometimes the different arrangement of the Monthly Catalogue makes it useful. It is a guide also to the organization of the Government at the time of issue.

The goal of the American Library Association in its campaign for membership is to reach the 10,000 mark by the time of the Fiftieth Anniversary Conference to be held in Atlantic City and Philadelphia, October 4, 1926. All agricultural librarians who are not now members are urged to join and to participate in the meetings of the Agricultural Libraries Section. "There is much to be done and the point has been reached at which every librarian must choose either to help or to leave all of the burden to others."

With this issue of AGRICULTURAL LIBRARY NOTES, the mailing list has been placed on the addressograph machine in the Office of Publications. In accordance with the general rule in effect in regard to Department mailing lists, personal names of librarians have been omitted wherever possible. A word from agricultural college and experiment station librarians stating that the March number has been received will be appreciated. Contributions to the next number are also earnestly requested.

REPAGING REPRINTS

The following note written by R. H. Rastall of Christ's College, Cambridge, England, is taken from "Nature" for March 20, 1926, page 419. The practice which h condemns is as hard on librarians as it is on authors and editors. "I think every one will agree that one of the worst crimes of an author is to give wrong references. Will you kindly allow me to point out that a very frequent source of such errors arises from the re-paging of authors' separate copies? In my editorial work for the Geological Magazine I find many instances, and have learnt by experience always to mistrust and verify a reference giving page 1. It is easy to understand that foreign and colonial writers are especially likely to fall into this trap, as often they must rely on authors' reprints and have not a complete series of the periodical at hand. The practice mentioned is very hard on both authors and editors, besides adding unnecessarily to the cost of reprints."

EFFECT OF THE RADIO ON READING

The value of the radio in increasing the use of books in libraries is becoming more and more marked. Extensive programs have been put on by the Oregon Agricultural College Library which were listed in the January number of AGRICULTURAL LIBRARY NOTES. The Library of the Iowa State College is giving a ten minute program every other week, featuring, in general, books for the home. The program is given as part of the home economics program. Two talks have been broadcast on Iowa authors and will be followed by such subjects as "Good Books for Children", "Worth While Magazines for the Homes", "Books on Gardening", etc.

SOME HELPFUL REVIEWS

Librarians who are considering the purchase of the new agricultural encyclopaedia entitled "The Book of Rural Life" (Bellows-Durham Co., Chicago, 1925), will be interested in the reviews which have appeared in the following periodicals: Montana Farmer, Feb. 15, 1926, p11; Library Journal, 51: 69, Jan. 15, 1926; B. A. E. News, Library Supplement, no. 31, p. 1-2, March 30, 1926.

Those who are considering the purchase of the German work entitled "Geschich der Rübe (Beta) als Kulturpflanze" by Edmund O. Lippmann (Berlin, Julius Springer, 1925), may be glad to know of an excellent review of the work by Dr. C. A. Browne, Chief of the Bureau of Chemistry, U. S. Department of Agriculture, which appeared in "Science" for August 14, 1925, pages 159-160.

An extensive review of "Agricultural Cooperation in Western Canada" by W. A. Mackintosh (Kingston, Canada, Queen's University, 1924) appeared in the "Queen's Quarterly" for Jan. to Mar. 1926.

Reviews of books and periodical articles relating to agricultural economics are regularly included in the "B. A. E. News, Library Supplement."

REFERENCE LIST

A list of "Books often referred to in the correspondence of the Bureau of Entomology", by Mabel Colcord, Librarian of the Bureau of Entomology, U. S. Department of Agriculture, is being issued in mimeographed form by the Bureau of Entomolo

REFERENCES ON BIBLIOGRAPHIC STYLE IN LITERATURE CITATIONS

Accuracy and completeness are the obvious prime requisites of a good bibliographic style in the citations to literature which accompany bulletins and articles. That the references should also be well arranged and uniformly cited are matters of little less importance. The following references to books and articles on this subject may be of interest.

Mention should be made first of Theodore Low Devinne's Correct Composition (N. Y., Century Co.) This is an excellent introduction to the subject. The chapters on abbreviations, italics, capitalization, spacing, quotation-marks, and punctuation, in particular, give a good foundation for judging points of style.

In the three following books on the preparation of scientific papers, the chapters relating to footnotes and bibliographies emphasize the importance of good bibliographic style and give much useful bibliographic information.

TRELEASE, S. F. and YULE, E. S. Preparation of scientific and technical papers. 113p. Balto., Williams & Wilkins, 1925.
For paragraphs on "Footnotes" and "Literature Citations", see p. 60-76. For abbreviations of names of periodical publications, see p. 76-89.
The paragraphs on literature citations explain in detail the three methods which are most commonly used in citations and give examples under each method of citations to books, periodicals and bulletins. The advantages or disadvantages of each method are not, however, pointed out and no opinion is expressed as to which is the best method.

SIMMONS, G. H. and FISHBEIN, MORRIS. The art and practice of medical writing. 163p. Chicago, Amer. med. assoc., 1925.
For paragraph on Bibliography, see chapter XI, p. 72-80.
As this book is the style book of the American Medical Association, the citations follow the style of the Journal of the Association.

MELLISH, MRS. M. H. The writing of medical papers. Ed. 2, rev. 168p. Phila., W. B. Saunders Co., 1925.
For paragraphs on "References", see chapter XIV, p. 93-95.
Standard abbreviations for medical journals are given on p. 119-150.

The two style books immediately following relate particularly to agricultural literature. After them are given the style books of various agricultural institutions.

BECKMAN, F. W. and CONVERSE, BLAIR. A deskbook of style. 80 p. Ames, Ia., Collegiate press, inc., 1925.
For paragraphs on "Footnotes" and "Literature Citations", see p. 27-32. For abbreviations of names of periodical publications, see p. 32-39.

REFERENCES ON BIBLIOGRAPHIC STYLE IN LITERATURE CITATIONS (Cont'd)

DEAN, F. C., PALMER, W. C., and CRAWFORD, N. A. Editing the agricultural bulletin; style book of the American association of agricultural college editors. 44p. [n.p.] Amer. assoc. of agric. college editors, 1918.
For paragraph on bibliography, see p. 26-27. The rules for citations which are recommended are those adopted by the American Association of Agricultural Editors as printed on p. 60-62 of the Proceedings of the third annual conference of the Association, 1916.

CALIFORNIA. UNIVERSITY. Rules of the editorial committee, with specifications for style of printing. 31p. Berkeley, Univ. of Cal. press [1918] (Administrative bulletins of the Univ. of Cal. 1917-18. no.6)
For paragraphs on footnotes and terminal bibliographies, see p. 23-30.

CALIFORNIA. UNIVERSITY. Suggestions on the preparation of manuscript. [By] Albert H. Allen. 20p. Berkeley, Univ. of Cal. press, 1917.
For paragraphs on references, see p. 6-7.

ILLINOIS. UNIVERSITY. Reporting educational research. By Walter S. Monroe and Nell Bomar Johnston. 63p. Urbana, 1925. (Univ. of Illinois Bul. v. 22, no. 38. Bur. of Educational Research, College of Education, Bul. 25)
For paragraphs on footnotes and bibliographic forms see Chapter II, p. 29-30 and Chapter III, p. 34-37, 39-40.

NEW YORK STATE COLLEGE OF AGRICULTURE. Notes for the guidance of authors. 8p. [n.p. n.d.]
For paragraphs on "The bibliography", see p. 4-6.

OHIO AGRICULTURAL EXPERIMENT STATION. Style book. A compilation of rules and information regarding the printing of bulletins of the Ohio Agricultural experiment station. [L. L. Rummel, editor] 18p. Wooster, Ohio.
For paragraph on footnotes, see p. 12.

PURDUE UNIVERSITY. AGRICULTURAL EXPERIMENT STATION. Style book. A compilation of rules and principles to be used in the writing and printing of bulletins. A. H. Daehler, Station editor. 20p. Lafayette, Ind., 1920.
For paragraph on footnotes, see p. 6.
For list of "standard abbreviations", see p. 15-18.

U. S. DEPT. OF AGRICULTURE. Suggested procedure for citations to literature in Journal of agricultural research. 18p. [1924]
In mimeographed form.
This is probably the most extensive list published of examples of citations to various kinds of publications involving a large number of different rules.

REFERENCES ON BIBLIOGRAPHIC STYLE IN LITERATURE CITATIONS (Cont'd.)

Interesting discussions have recently appeared in "Science" on simplified citations to scientific literature and uniformity in citations. The discussion was started by Dr. E. D. Merrill, Dean of the College of Agriculture, University of California, who, in his article, made an earnest plea for the adoption of the colon form of citation. He was followed by various contributors. A list of the articles in the order of their appearance follows:

MERRILL, E. D. An appeal for simplified literature citations. Science, 62: 419-420. Nov. 6, 1925.
MERRILL, M. C. Simplified literature citations. Science, 63: 68. Jan. 15, 1926.
GOLDTHWAIT, C. F. Simplified literature citations. Science, 63: 68-69. Jan. 15, 1926.
KNIGHT, H. L. Simplified literature citations. Science, 63: 69. Jan. 15, 1926.
LEFFMAN, HENRY. The quotation of scientific references. Science, 63: 231. Feb. 26, 1926.
FURFEY, P. H. Literature citations. Science, 63: 231-232. Feb. 26, 1926.

Of historical interest in connection with the discussion of uniformity in citations is the Report of the Committee on Bibliography and Typography to the Madison Botanical Congress, August 23-24, 1893, which appeared in the Proceedings of the Congress, pages 45-52. The Rules for Citation recommended by the Committee were adopted by the Congress and were also adopted by Section G of the American Association for the Advancement of Science the following year, 1894. (See Proceedings of the American Association for the Advancement of Science, 1894, pp. 295-296). The Rules for Citation were reprinted in separate form as a supplement to the March, 1895, number of the Botanical Gazette.

The following three periodical articles are earnest pleas for better bibliographies and bibliographic citations. The two excellent articles by Mr. Place, while pertaining particularly to bibliographies attached to medical articles, are just as applicable to bibliographies in connection with scientific articles in general.

PLACE, FRANK. Bibliographic style in medical literature. 12p. N. Y., Wm. Wood & co. [1913]
Reprinted from the Medical Record, 83: 157-160. Jan. 25, 1913.
PLACE, FRANK. Verify your references, a word to medical writers. N. Y. Medical Journal, 104: 697-699. Oct. 7, 1916.
SHACKFORD, M. H. For better bibliographies. Educational Review, 57: 434-438. May, 1919.

The article next referred to is a record of an attempt to find out through an actual test the best place from the point of view of legibility to put the suffix to a date in a bibliographical list. The article describes the results of a test made by members of a class in psychology, and is interesting as suggesting the possibility of similar tests to find out definitely the best form of citation.

PRATT, C. C. Note on the legibility of items in a bibliography. Jour. of Applied Psychology, 8: 362-364. Sept. 1924.

REFERENCES ON BIBLIOGRAPHICAL STYLE IN LITERATURE CITATIONS (Cont'd.)

Lists of abbreviations of scientific periodicals

In citing articles in scientific journals, it is quite permissible to abbreviate the names of the journals but it is desirable to use some of the standard abbreviations. Following are references to several lists of this kind. The List of Abbreviations of Titles used in the "Experiment Station Record" was published as U. S. Department of Agriculture Bulletin 1330. The list is no longer available for free distribution but may be obtained from the Superintendent of Documents, Government Printing Office, for twenty cents. A selected list of these same abbreviations, comprising those for periodicals contained in the Iowa State College Library, is contained in "A Deskbook of Style" by F.M. Beckman and Blair Converse.

The "International Catalogue of Scientific Literature List of Journals, with Abbreviations in the Catalogue", was published by the Royal Society of London in 1903. The list is arranged by country. A supplementary list was published in 1904.

"Chemical Abstracts" has prepared a list of abbreviations of the periodicals abstracted in "Chemical Abstracts". The latest list was published in vol. 16, no. 20, 1922. A new edition is now in preparation.

A list of the periodicals abstracted in "Botanical Abstracts" is given in vol. 10, 1922, of this publication.

There are several lists of abbreviations of medical periodicals. In the twenty-first volume of the second series of the Surgeon General's Library Index Catalogue there is an alphabetical list of abbreviations of titles of medical periodicals referred to in the catalogue. Supplements to the list are contained in each of the volumes of the third series. The "Quarterly Cumulative Index to Current Medical Literature", published by the American Medical Association, also contains a list of abbreviations of medical periodicals. This same list in more convenient form is included in the recent book on "The Art and Practice of Medical Writing" by George H. Simmons and Morris Fishbein. In Supplement 1 it gives abbreviations of all periodicals regularly included in the "Quarterly Cumulative Index to Current Medical Literature." The second supplement includes abbreviations of periodicals not regularly indexed in the "Quarterly Cumulative Index." Some of these are obsolete or discontinued and many of them, while not strictly medical in character, treat of sciences closely allied to medicine. Still another list of standard abbreviations for medical journals is given in "The Writing of Medical Papers" by Maud H. Mellish.

Rules for abbreviations of periodicals and a short list of the more common scientific journals, with abbreviations, is given in the book on the "Preparation of Scientific and Technical Papers" by S. F. Trelease and Emma S. Yule. Some rules for abbreviating botanical titles and the names of authors are given on page 196-207 of the "Methods of Descriptive Systematic Botany" by A. S. Hitchcock.

NORTH DAKOTA AGRICULTURAL COLLEGE LIBRARY

"A. C. Library 20 years old" is the title of an article on the North Dakota Agricultural Library which appears in the February, 1926, number of the North Dakota Agricultural College publication entitled "College and State". It is illustrated with a portrait of the Librarian, Mrs. Ethel McVeety, and there is also a picture of the library under a blanket of snow. The article follows:

"Twenty years ago on January 18, 1906, a small group of people gathered around the A. C. library to witness the dedication of an institution that has proven to be a mecca for higher education through a span of two decades. At that time the library stood boldly out in the open and was shiny and new; but now on its twentieth birthday it stands, a dull brown colored object, half hidden beneath groups of friendly trees. Throughout those twenty years, years that have witnessed the growth of the student body from 300 to more than a thousand, Mrs. Ethel McVeety has kept a careful watch over the library. She has seen her charge develop from 3,100 to 33,000 volumes. So on the 18th of January, 1926, Mrs. McVeety assembled an exhibit of the library in the rotunda, portraying the development of the institution by the use of pictures, pamphlets, clippings and books.

Several of the pictures and clippings revealed the hardships undergone to maintain a library. Other parts of the exhibit named the different librarians. Miss Lois Harper, now Mrs. C. B. Waldron, was appointed the first librarian in 1891. At that time the library was housed in the administration building. Mrs. Percy Evans was the second librarian, and along with her duties acted as postmistress. Mrs. McVeety took charge in 1897. She now has four assistants: Miss Harriet Pearson, who is also assistant professor of library methods, Ruth Whitman, Bertha Stickney, and Ida Halverson."

The preceding article is supplemented by a brief statement from Mrs. McVeety from which the following extracts are taken:

"Records show that the circulation of books has doubled in ten years, which proves that books are going out as well as being used within the building. By actual count nearly 700 students entered the library in one day, more than twice as many as were on the whole campus twenty years ago. One hundred twenty-five students have been counted in the reading rooms within five minutes. Every year the freshmen are required to take Library Methods. Over 1200 have completed the course since it was first given twelve years ago, but it has been done under unsatisfactory, crowded conditions the past three years. As the library is used by so many on the campus, it should be one of the largest, most modern and convenient buildings, so attractive that the students and general public would find it inviting."

STATISTICS OF LAND GRANT COLLEGES FOR YEAR ENDING JUNE 30, 1924

Prepared by J. R. Gulledge, Librarian, N. C. State College of Agriculture & Engineering

	Enrollment*	Income*	Library** Expend.	Number* of vols.	Vols.lent** home use	Staff** full time
Alabama Polyt. Inst.	1,469	$864,720		35,000		
Arizona, Univ. of	1,578	929,543		55,000	17,000	6
Arkansas, Univ. of ¢	1,704	941,752	$10,747.00	48,000		5
California, Univ.	16,992	9734,502		635,000		
Colorado Agr. col. #	1,127	1064,144	12,263.00	51,885	12,585	5
Connecticut Agr. Col.	484	735,177		35,000		
Delaware, Univ.©	606	383,942	6,734.73	30,000	7,193	3
Florida, Univ. of	1,346	978,401		30,470		
Georgia, Univ. of	1,583	1338,540		58,350		
Hawaii, Univ. of	674	359,553		35,256		
Idaho, Univ. of	1,584	960,654	18,617.61	85,000		5
Illinois, Univ. of	10,085	5910,627	225,165.04	582,194	38,299	44
Purdue Univ.	2,976	2718,802	21,964.18	71,418	28,341	6
Iowa State College	4,320	4381,677	71,620.00	112,824	31,546	21
Kansas State Agr.C.	3,196	2164,106		78,406		
Kentucky, Univ. of	2,049	1305,194		59,856		
Louisiana State Univ.	1,555	2419,546		56,488		
#Maine, Univ. of	1,290	964,875	14,803.44	65,526	14,763	4
Maryland, Univ. of	3,171	1265,778	19,764.20	36,990	5,308	3
Mass. Agric. Col.	687	1170,471	18,060.00	71,349		6
Michigan Agr. Col.	1,688	1992,360		48,000		
Minnesota, Univ. of	11,167	7588,777		420,908		
Mississippi Agr. Col.	1,342	1169,237		44,925		
Missouri, Univ. of	4,451	3252,493	36,780.41	270,567	54,719	22
Montana College of A&M	728	764,604		27,200		
Nebraska, Univ. of	8,322	2891,072	79,540.00	180,000		27
Nevada, Univ. of	855	493,281	12,995.00	39,900	23,261	6
New Hampshire, Univ.	1,188	758,721		50,000		
Rutgers Univ. (N.J.)	1,314	1863,440		130,000		
New Mexico A & M	349	336,361		21,303		
Cornell Univ. (N.Y.)	5,588	6655,602		710,575	42,810	20
North Carolina A & E	1,220	1898,635	11,449.53	18,500	4,737	3
North Dakota Agr.C.	1,141	1312,551	11,593.67	36,810	13,035	5
Ohio State Univ.	9,154	5432,228		247,952		
Oklahoma A & M	1,686	1521,703	12,158.00	32,253	38,469	3
#Oregon Agr. Col.	3,252	1722,010	45,753.00	62,947	37,667	15
#Pennsylvania State	3,621	2690,037	27,671.99	87,851	35,048	11
Porto Rico, Univ. of	1,615	301,900		21,500		
Rhode Island St.Col.	462	289,320		24,500		
Clemson Agr. Col.S.C.	1,057	1006,292		30,400		
South Dakota St. Col.	1,086	1026,430	8,901.00	30,000		2
#Tennessee, Univ. of	2,140	1528,599	30,367.83	65,052	18,583	12
Texas A & M	2,134	2647,101		28,425		
Utah Agr. Col.	1,006	512,362		35,700		
Vermont, Univ.of	1,160	821,171		113,803		
Virginia Pol. Inst.	1,110	1341,365	3,415.12	36,150	8,410	3
Washington State C.	2,796	1331,882	34,146.05	90,000	241,848	10
West Virginia, Univ.	2,318	1472,634		81,000		
Wisconsin, Univ. of	8,477	6451,429		324,000		
Wyoming, Univ. of	963	739,585	22,857.72	56,009	30,603	5

#June 30, 1925; © June 30, 1923; ¢ Apr. 1924.

U.S. Bureau of Education. Bulletin, 1925, no. 12.

*Compiled by American Library Association from reports of librarians.

STATISTICS OF LAND-GRANT COLLEGES FOR YEAR ENDING JUNE 30, 1924 (Cont'd.)

Total number of students in Land-grant colleges	141,861
Total income.....	$102,405,186.00
Total library expenditures of 23 libraries reporting.....	757,368.52
Total income of the 23 institutions reporting library expenditures.....	41,512,365.00
Total number of volumes in libraries of the fifty land-grant colleges.....	5,600,242
Total number of volumes lent by twenty institutions reporting	704,225
Total number of students in twenty institutions reporting volumes lent.....	53,976
Total number of volumes in twenty institutions reporting volumes lent.....	2,512,451
Total number of librarians in twenty-five institutions.....	252
Total number of students in twenty-five institutions reporting size of library staff.....	67,359

The averages were as follows:

Number of students.....	2,837
Number of bound volumes in libraries.....	112,004
Number of volumes per student.....	39
Income.....	$2,048,103.72

Library income of 23 institutions reporting was .0182 per cent of the total college income.

Circulation in 20 institutions reporting was 13 volumes per student, or, one volume for every three and one half volumes in library.

Twenty-five institutions reporting had one library assistant for every 267 students.

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In forwarding the statistics on Land-grant colleges and their libraries, for inclusion in AGRICULTURAL LIBRARY NOTES, Mr. Gulledge explained that he compiled the data in order to learn the rank of his own library, with the hope of raising it. These statistics will, it is hoped, be of value to other Land-grant college libraries.

FURTHER CORRESPONDENCE ON AGRICULTURAL DUPLICATES

Miss Grace E. Derby, Associate Librarian of the Kansas State Agricultural College, has sent the following helpful letter telling how her library handles its duplicates of some of the official state and federal agricultural publications.

"In the AGRICULTURAL LIBRARY NOTES for February, 1926, I was interested in the item regarding your duplicate numbers of publications from the state experiment stations and the U. S. Department of Agriculture. I thought possibly you would be interested in the way we are attempting to handle ours.

We employ student help to sort and file all of our duplicate numbers. We keep from three to five duplicate copies of all, unless it is on a subject for which we feel there may be an extra demand. All of the duplicates which we do not care to keep we frank back to the station issuing the publication. We tie the publications up in packages about one and a half to two inches thick, wrapping them in manila paper and placing on the outside of the package one of our own franking envelopes. We feel that in doing this we are putting the material at its source where logically the demand will be made for it. We make an effort to have all of the offices in the college send in to us publications which they do not care to keep on file, that we may serve as a clearing house for them in this way.

I have been talking with our cataloguer regarding the compiling of a "want list", and I imagine that we will have this done as time can be secured for it. It seems to me that the practical way to have the files completed would be for individual libraries to make a list of their wants rather than for those who have duplicates to list them. I know for us to attempt to make a list of our duplicate numbers would be impractical because of the amount of work. I am inclined to think that every state agricultural college should keep at least two sets of the publications of the state experiment stations and the federal department of agriculture. We are attempting to secure in our library three copies of all these publications. Our set which we call our first copy is quite complete; our second one less complete and the third one still less. I feel that our libraries as the years come will have a greater demand for a large part of this material and it will be impossible to replace the worn out and lost numbers.

We have on our staff a young woman who has had experience at the University of West Virginia. Her work there had been in connection with the checking and binding of these publications and she says that they were coming to feel that they must acquire two complete sets if possible. Of course all agricultural libraries may not have the demand for these publications that we do, but if storage space can possibly be found for a second set I would be inclined to advise keeping it."

Mrs. M. J. Abbott, Agricultural Reference Librarian of the University of California writes:

"I am not sure that all issuing stations wish their old bulletins back but I know the California Agricultural Experiment Station is very glad to receive any of its old ones and each summer we clear our shelves as well as our library conscience by returning all our duplicate bulletins to their original owners."

NOTES ON PERIODICALS

New Periodicals

American

Western rabbit magazine. mo. il. 4°. v. 1, no. 2, Jan. 1926. 145 E. Seventh St., Pomona, Calif. $1.00 a year.

Foreign

Chemical society of Japan. Bulletin. mo. il. 4°. v.1, no.1, Jan. 1926. Tokyo, Japan (c/o Faculty of science, Imperial university of Tokyo) 4.00 yen a year.

Züchtungskunde. mo. 8°. bd.1, hft.1, Jan. 1926. Druck von Hubert & co., Göttingen, Ger. (Gratis to members of Deutsche gesellschaft für züchtungskunde)

Changed Titles

American

American kennel gazette and stud book. Brooklyn. Changed to American kennel gazette, with v.43, no.1, Jan. 1926. (Stud book pub. separately again beginning with Jan. 1926)

Egg reporter. Waterloo, Ia. Changed to the New egg reporter, with v.32, no. 1, Mar. 1926.

Potato news bulletin. Washington, D. C. Changed to American potato journal, with v.3, no.1, Jan. 1926.

Ceased Publication

Berkshire world. Springfield, Ill. Ceased pub. with v.18, no.1, Jan. 1926. Absorbed by Farmer and stockman, Kansas City, Mo., Feb. 1926.

Tractor and gas engine review. Madison, Wis. Ceased publication with v. 19, no 12. Merged with American thresherman, Madison, Wis., Jan. 1926.

GOVERNMENT PUBLICATIONS WANTED

The Iowa State College Library is very anxious to get a copy of each of the following government publications to complete its files to date. The library will be glad to pay for any of these numbers. Address "College Library, Ames, Iowa".

U. S. Children's Bureau, Bureau publications nos. 1 and 94.
U. S. Federal Reserve Board, Federal Reserve bulletin, v. 1, nos. 2,4,6,7; v. 3, no. 2.
U. S. Geological Survey, bulletin no. 184.
U. S. Treasury Department, Annual report on the state of finances for the fiscal year 1850-51.
U. S. Weather Bureau, National weather and crop bulletin, Series 1919, no. 11.

RULES FOR INTER-LIBRARY LOANS
(U. S. Department of Agriculture Library)

Attention is called to the following rules of the U. S. Department of Agriculture in regard to inter-library loans. A strict observance of these rules on the part of librarians and scientists and a critical elimination of all unimportant and unnecessary requests will greatly facilitate the work and lessen the expense and risk involved in such loans.

1. Books are lent to other libraries for the use of investigators engaged in serious research, in cases where such lending will not interfere with the work of the department. The material lent can not include books in frequent use in the department; books that should be in the local library; textbooks or popular manuals; nor books for use in ordinary student or thesis work.

2. Unless otherwise specified, books are lent for one month, including time en route.

3. The borrower is responsible for the safe return of the books and is expected to make good any losses or injuries which may occur. Books must be carefully wrapped when returned so that there will be no danger of injury to books or binding.

4. Cost of carriage must be borne by the borrower. Books will be forwarded by express (charges collect) whenever it is deemed necessary on account of their size or value. Certain books, however, may be sent by parcel post, if the cost of postage and insurance be remitted in advance. In the case of books lent for use in the official work of the state agricultural colleges and experiment stations, those which it is considered safe to send by mail will be forwarded under the department frank. The cost of the return of the book must, however, be paid by the borrower.

5. It is preferred that requests from agricultural colleges and experiment stations be made through the college or station library, if the library is so organized as to be able to attend to such loans.

6. Borrowers are urged to give as full a reference as possible when requesting loans, including author, title and page of articles in periodicals. This is desirable for the following reasons: The article can sometimes be supplied in separate form; the volume of the periodical may be unbound, in which case only a single number need be sent; references are sometimes incorrect, and information as to the author and title of the article may prevent the sending of the wrong volume; if the article is short and the volume large, it may be desirable to have the article copied.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during March, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Cooperative marketing an important part of the farmer's business. By Thomas Cooper ... 1926. 10p.
An address delivered before the members of the Minnesota farm bureau federation, St. Paul, Minnesota, January 19, 1926.

Cooperative marketing of tobacco. A selected list of references. Compiled by Katharine F. Williams ... 1926. 5p. (Agricultural economics bibliography no. 13)

Government control of export and import in foreign countries. Compiled by Mrs. A. M. Hannay... 1926. 126p. (Agricultural economics bibliography no. 12)

Membership statistics for large-scale cooperative marketing organizations (federated and centralized types). A preliminary report. [By R. H. Elsworth and Ruth Payne...] 1926. 29p. (Issued by Division of agricultural cooperation)

Periodical reports relating to crops, markets and agricultural economics. 1926. 11p. (Issued by Division of information)

Principal sources of information used in the preparation of the Agricultural Outlook for 1926. 21p.

Reprints

Cost of living in farm homes in several areas of Iowa. A preliminary report. [By] E. L. Kirkpatrick... and George H. Von Tungeln... 1924. 30p. [Division of farm population and rural life]

Cost of wheat production and incomes from farming in Eastern Washington and Northern Idaho for the years 1919, 1920 and 1921. Preliminary report. [By] M.R. Cooper. 1923. 37p.
Issued by Divisions of costs of production and farm management in cooperation with Idaho and Washington state colleges of agriculture.

Living conditions and family living in farm homes of selected localities of Kansas. A preliminary report. [By E. L. Kirkpatrick... Walter Burr.. and Ellen M. Batchelor...] 1925. 24p.
Issued by Bureau of agricultural economics and the Kansas state agricultural college, Department of economics and sociology and Agricultural extension service cooperating.

Principles and progress of cooperative marketing. By Lloyd S. Tenny ... [1924?] 9p.
An address before the annual meeting of the Chamber of Commerce of the United States, Cleveland, Ohio, May 6, 1924.

*For a list of the principal serial publications issued regularly see the January, 1926, issue of AGRICULTURAL LIBRARY NOTES, p.10-14.

Bureau of Animal Industry

Meat production, consumption, and foreign trade in United States, calendar years 1907-1925. Compiled by John Roberts... [1926?] 9p.

Side-lights on tuberculosis eradication. Information for workers engaged in cooperative tuberculosis eradication. Feb. 1926. 13p.
Issued about two or three times a year by the Tuberculosis eradication division.

Bureau of Dairying

Publications of the Department of Agriculture relative to dairying. 1926. 4p. (B.D.M. 260)

Publications relative to ice cream. 2p. (B.D.M. 258)

Extension Service

Junior dairy-calf clubs. Excerpts from 1924 annual reports of state and county extension agents. Prepared by M. C. Wilson... 1926. 16p. (Office of cooperative extension work. Brief no. 32)

Reprint

Home-economics extension; purpose, progress, and prospects. By W. A. Lloyd... [Washington] 1926. 14p. (Issued by Office of cooperative extension work)

Paper read before the American Home Economics Association, San Francisco, Calif., August 1, 1925, and the Southern States extension conference, Atlanta, Ga., Feb. 3, 1926.

Office of Experiment Stations

List of projects of interest to agricultural engineers at the state agricultural colleges and experiment stations. [By R. W. Trullinger] [1926?] 19p.

Bureau of Plant Industry

Commercial control of pecan scab. [By] J. B. Demaree... and J. R. Cole... 1926. 7p. (Issued by Office of fruit-disease investigations)

AGRICULTURAL RELIEF LEGISLATION.

Hearings on agricultural relief legislation have been held before the Committee on Agriculture of the U. S. House of Representatives almost continuously during the month of March. At these hearings the members of the committee appointed at the conference of farmers' representatives held in Des Moines in January, representing farmers from eleven states, presented their plans for agricultural relief. Stenographic reports of these hearings are being printed as rapidly as possible and so far the Library of the U. S. Department of Agriculture has received nine parts which include statements of Mr. William Hirth, Mr. F. W. Murphy, Mr. M. B. Wells, Mr. Vrooman, and Mr. Meredith. Requests for these hearings may be sent to Members of Congress or to the clerk of the Committee on Agriculture of the House.

DUPLICATES AVAILABLE FOR DISTRIBUTION

Herd, Flock and Stud Books

American Aberdeen-Angus breeders' association. American Aberdeen-Angus herd book, vol. 29, 1919; vol. 34, 1923.
American Berkshire association. American Berkshire record, vol. 55, 1919; vol. 57, 1920.
American breeders' association of Jacks and Jennets. American Jack stock stud book, vol. 9, 1911.
American Guernsey cattle club. Herd register, vol. 32, Aug. 1918.
American Hampshire sheep association. Flock record of Hampshire Down sheep, vol. 17, 1919. (3 copies)
American Hampshire swine record association. Swine record, vol. 14, 1919.
American Jersey cattle club. Herd register, vol. 100, 1920.
American Jersey cattle club. Register of merit of Jersey cattle, 1909; 1916/17; 1917/18; 1918/19.
American Poland-China record association. American Poland-China record, vol. 80, 1920
American Polled Hereford breeders' association. American Polled Hereford record, vol. 1, 1912.
American Rambouillet sheep breeders' association. American Rambouillet record, vol. 22, 1920.
American saddle horse breeders' association. Register, vol. 1, 1908.
American short-horn herd book, vol. 2, 1855; vol. 89, 1916; vol. 95, 1917.
American Shropshire registry association. American Shropshire sheep record, vol. 28, 1917; vol. 32, 1922.
American stud book. 5th suppl. to vol. 11 of the American stud book. Pub. by the Jockey Club, New York, 1918.
Ayrshire breeders' association. Ayrshire record advanced registry, vol. 1, 1917.
Canadian swine breeders' association. Canadian swine breeders' record, vol. 28, 1917
Chester White swine record association. Chester White swine record, vol. 24, or 1919 Year book.
Cleveland Bay horse society. Cleveland bay stud book, vol. 15, 1920, with a review of the breed by Sir A. E. Pease.
Clydesdale horse society of Gt. Brit. and Ireland. Index to stallions registered in the Clydesdale stud book (vol. 1-xxx inclusive) with introductory essays on the early history of the Clydesdale or Scottish breed of draught horses, by Thomas Dykes...1908.
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Holstein-Friesian association of America. Holstein-Friesian register, vol. 1-2,4. 1886; 1887/89; 1890/91.
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National Lincoln sheep breeders' association. National Lincoln sheep breeders' record, vol. 3, 1910.
National Poland-China record association. National Poland-China record, vol.42, 1920.
National spotted Poland-China record association, vol. 7, 1920.
Nederlandsch rundvee-stamboek, 1917/18. (Unbound)

DUPLICATES AVAILABLE FOR DISTRIBUTION (Cont'd)

Herd, Flock and Stud Books (Cont'd.)

New Zealand Romney Marsh sheep breeders' association. Flock book, vol.17, 1921.
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Percheron society of America. Percheron stud book, vol. 11, 1909; vol. 20, 1917/18; vol. 21, 1918/20.
Royal Jersey agricultural and horticultural society. Jersey herd book, vol. 24 (new series), 1916/17.
Royal Jersey agricultural and horticultural society. Jersey herd book. Milk record awards, 1919-1924. (Unbound)
Shorthorn society of Great Britain & Ireland. Shorthorn breeders' guide. 1926.
Société le cheval de trait belge. Stud-book des chevaux de trait belges, vol. 22, tome 1, 1914.
South African Angora stud register, vol. 1, 1924. (2 copies)
South Devon flock book association. Flock book, vol. 18, 1921.
Southdown sheep society. Southdown flock book, vol. 34, 1925.
tandard Jack and Jennet registry of America. Standard Jack stud book, vol.2,1915.
Verein für deutsche schaferhunde. Zuchtbuch für deutsche schäferhunde (SZ), Bd. 11, 1914.
Welsh black cattle herd book, vol. 9, 1920.

Miscellaneous Books

Annaes da Conferencia International Algodeira. 2v. $ .50.
Bonnier, Gaston. Name this flower, a simple way of finding out the names of common plants without any previous knowledge of botany. London, J. M. Dent, 1925. $1.75 (new).
Böhme, Emil. Ueber den farbensinn und den geruchsinn der honig biene (Apis Mellifica). Inaugural-dissertation. (Aus der Medizinischer Universitäts-Tierklinik, Leipzig) $.50.
Congrès des Stations Agronomiques et des Laboratoires Agricoles Belges. Cinquantième anniversaire. Louvain, 1923. $.25.
Coville, F. V., and Macdougal, D. T. Desert botanical laboratory of the Carnegie Institution. Washington, 1903. $.50.
Day, Clive. A history of commerce. N.Y., Longmans Green & Co., 1920. $1.00.
Despeissis, A. The handbook of horticulture and viticulture of Western Australia. Ed. 3. Perth, 1921. $.50.
Karsten, H. Gesammelte beiträge zur anatomie und physiologie der pflanzen. 2v. Berlin, 1865-1890. $6.00.
Middleton, John. View of the agriculture of Middlesex. London, 1798. $.50.
Ogg, Frederic Austin. Economic development of Europe. N.Y., Macmillan co., 1918. $.75.
Second World's Poultry Congress and Exhibition held at Barcelona, Spain, May, 1924. 416p. $1.00.
Ackler, C.K., and Masters, Helen. Applied chemistry. A practical handbook for students, of household science and public health. Vol. II. Foods. London, Crosby Lockwood & Son, 1925. $3.75 (new).
Towns and the land. Urban report of the Liberal Land Committee, 1923-25. London, Hodder & Stoughton. $.25.
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AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS.

Vol. 1, No. 4. April, 1926.

NOTES ON BOOKS AND BIBLIOGRAPHIES

The "Proceedings of the Thirty-ninth Annual Convention of the Association of Land-Grant Colleges" held at Chicago, Ill., November 17-19, 1925, have recently been issued. The general topic around which the discussions were centered was "The Relation of Land-Grant Institutions to the Fundamentals of Forward Looking National Policies for the Development of Agriculture, the Industries, and Home-Making". Among the papers of special interest to libraries are "The History of the Purnell Bill" and the "Report of the Bibliographer" which consisted of a brief history of the Morrill Land-Grant College Act of 1862. Another paper of general interest was that by Prof. H. C. Ramsower on "Some Aspects of a Study of Leadership". This study was undertaken for the purpose of analyzing leadership and attempting to ascertain qualities which seem to be possessed by leaders in certain specific activities, as well as qualities which appear to be lacking in individuals who have failed satisfactorily to meet their responsibilities. Among the qualities which were found in high degree in the superior leader there were seven which ranked close together and above all others. These were, in order, integrity, perseverance, faith, ability to plan, vision, initiative, and courage. The following comments of Prof. Ramsower on these qualities in connection with county agricultural agents contain much food for thought in regard to the qualities of leadership in general: "From these facts we may not argue that an agent to be successful must possess all of these qualities in the degree here indicated, but we may venture the statement that an agent who possesses these traits in large degree will stand a better chance of meeting with success than one who possesses them in small degree. It is worthy of note that technical knowledge, that quality which in a fair degree is indispensable to the success of any agent and that quality which more than any other represents the great field of endeavor in which he works and which in the common mind he is hired to develop among farmers, ranks far below those enumerated above. This fact is significant. It does not in any sense show that technical knowledge is unimportant, or any less important than any one of the other qualities, but it does emphasize the point that no matter how proficient one might be in subject matter without the seven qualities noted above one would stand little chance of achieving success. This is quite in line with experience and observation in this field of leadership."

"New Observations upon Bees by Francis Huber, 1814", translated from the French by C. P. Dadant, Editor of the American Bee Journal, has recently been published by the American Bee Journal, Hamilton, Ill. In the introduction the translator says he possesses two of the four so-called "original translations" into English of this famous work, the second (1828) and the third (1861). Reading them and comparing them with each other and the French original, he discovered that they are far from complete. This complete translation was made at the suggestion of leading beekeepers in America. In commenting on Huber's work, he says: "Many people imagine that they have discovered things in beekeeping that this wonderful man had already described, with the help of his faithful wife and devoted secretary, Burmens, for Huber was blind."

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"The Tariff and Agriculture in the United States. Part I. Selected Bibliography on Fundamental Tariff Considerations; Part II. Selected Bibliography on Agricultural Considerations; Part III. Topics for Discussion", by S. W. Shear, College of Agriculture, Berkeley, Cal., March 1932, is a series of bibliographies of particular interest to agricultural libraries. The parts are respectively seven pages, six pages, and five pages in length and are in mimeographed form. A number of the references are annotated.

"Notes on the Preparation, Form, and Content of Students' Papers", by S. W. Shear, College of Agriculture, Berkeley, Cal., March, 1932, is a mimeographed publication of ten pages designed chiefly as a brief guide for agricultural students in preparing written papers for their classes. All agricultural libraries will probably wish to obtain it.

A "Selected List of Government Publications on Foods and Nutrition" and a "Selected List of Government Publications on Textiles and Clothing" have been compiled by Ruth Van Deusen of the Bureau of Home Economics of the United States Department of Agriculture and are available in mimeographed form from the Bureau of Home Economics. These lists are confined to what are considered the most useful publications from the standpoint of the home economics worker, and further to those that may be bought from the Superintendent of Documents of the Government Printing Office. They, therefore, make no pretensions of being complete bibliographies of government publications on these subjects. The arrangement of the references under subject headings and the brief annotations serve to make them convenient for ready reference.

A mimeographed circular entitled "Vitamins A, B, and C", prepared by Sybil L. Smith, of the Office of Experiment Stations of the United States Department of Agriculture, has recently been issued by the Bureau of Home Economics. This circular consists of three parts - a table showing the distribution of vitamins A, B, and C in about 1[illegible] food materials; a selected list of references to the original literature, grouped under the three headings Vitamin A, B, and C; and a list of references to the literature on the technique of vitamin studies. Under the references to the literature on the different vitamins the most recent reference has been selected if this appears authoritative and if the original article contains, as it usually does, a review of earlier literature on the subject. The supply of this circular for distribution is limited, but copies will be sent on request to scientific libraries.

In connection with a conference on personnel, held at Iowa State College, Ames, the Library prepared a selected list of such books as were regarded as the most valuable on personnel management, industrial psychology, industrial organization, etc. The books were carefully selected by various members of the faculty, including the Librarian. Copies of the fourteen page list will be sent upon application. The list may be of some value in showing a selection of the best literature. It is by no means inclusive.

A select bibliography of the principal publications in the Library of the Royal Colonial Institute dealing with agricultural credit and cooperation, entitled "Agriculture - Credit and Co-operation", has been prepared by Evans Lewin, Librarian of the Institute, and appears in Empire Production and Export, the Journal of the British Empire Producers' Organization, for January, 1932, pages 28-32. A section is devoted to legislation.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

A biography of General Horace Capron, U. S. Commissioner of Agriculture from 1867-71, and Agricultural Adviser to the Japanese Government from 1871-75, has recently been published in the Journal of the Illinois State Historical Society, vol. 18, no. 2 (July, 1925), pp. 289-349. It was prepared by Merritt Starr largely from an unpublished autobiography written by General Capron a short time before his death. A typewritten copy of this unpublished autobiography has recently been acquired by the U. S. Department of Agriculture Library through the courtesy of a grandson of General Capron.

The "List of Serials in the Oregon Agricultural College Library, November 1, 1925, compiled by the staff of the Technical Department of the Library", has recently been issued. It comprises eighty-nine pages.

The New York Agricultural Experiment Station, Geneva, has just published a list of "Periodicals available for reference in the Station Library". It is Circular 59 of the Station, revised to April 1, 1926. The revision was made by Mrs. Catharine Colby Cook, Librarian. It is eleven pages in length, with double column to the page.

A series of articles in three parts on "Agricultural Organizations in the United States", by Carl C. Taylor, Dean of the Graduate School, North Carolina College of Agriculture, is being published in "Rural America". The first part on "Early Agricultural Organizations in the United States" appeared in the number for May. Agricultural librarians will find it a convenient brief list.

Another review of "The Book of Rural Life" is continued in "Rural America" for May, 1926, on page 7.

The Government Interdepartmental Committee on Conservation of Hides and Skins has issued a mimeographed publication of fourteen pages dealing with the defects in skinning and curing cattle hides and calf skins, the great economic losses resulting from these defects and the proposed plan of the Government for a nationwide campaign to improve the quality of raw hides and skins and eliminate some of these losses. A few copies of the circular are still obtainable from the Leather & Paper Laboratory of the Bureau of Chemistry, U. S. Department of Agriculture.

Two important bulletins of the Bureau of Plant Industry, namely, "Nomenclature of the apple" (Bulletin 30) and "Nomenclature of the pear" (Bulletin 128), which have been entirely exhausted for some time are now being reprinted in limited editions. Libraries which do not have these bulletins may procure copies on application to the Office of Horticulture, U. S. Department of Agriculture.

The Illinois Butter Manufacturers' Improvement Association, Chicago, has recently published as a memorial volume the life of William Wilberforce Marple who was for many years the Secretary of the Association.

"Norwegian Agriculture" by O. T. Bjanes, Director-General of Agriculture, is a recent official publication of the Norwegian Department of Agriculture (Landbruksdepartementets Skrift. nr. 29). It is a brief survey of agriculture in Norway and is in English, it being mainly intended for foreigners seeking information on that subject. Agricultural reference librarians will find particularly useful the chapters on the "Official Measures for the Advancement of Agriculture" and "Agricultural Institutions".

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"The Life of Peter Collinson" by Norman G. Brett-James, recently published by Edgar G. Dunstan & Co., London, has an interest which the title alone would not perhaps suggest. "Peter Collinson was an eminent scientist and man of business in the 18th century. He introduced nearly 300 foreign plants into England, mostly from America, whence they were sent to him by John Bartram, founder of the first Botanic Garden in the New World. Benjamin Franklin and Linnaeus were Collinson's intimate friends, and visited him in his Mill Hill garden, which is still in existence to-day." Chapter 5 is entitled "Collinson and his American friends" and refers principally to John Bartram. Chapter 6 is entitled "Collinson's friendship with Franklin and Linnaeus". The following extract from a letter from Franklin in regard to the Map given by Collinson to the Library Company of Philadelphia is of interest to librarians: "I take the liberty of informing you that he encouraged the beginning of a subscription Library in Philadelphia by making several valuable presents to it and procuring others from his friends. And as the Library Company has had a considerable sum accruing annually to be laid out in books and needed a judicious friend in London to transact the business for them, he voluntarily and charitably undertook that service and executed it for more than thirty years successively."

"The Depressidae of North America, north of Mexico", by W. J. Chamberlin, Forest Entomologist of the Oregon State Agricultural College, is now ready for the printer. The price is $5.00. On orders received before June first a discount of ten per cent will be allowed. Orders may be sent direct to the author. The book lists 320 species, many of which are of great economic importance as destroyers of fruit, shade and forest trees as well as ornamental shrubs. The bibliography contains 1000 references.

"The Small Fruits of New York", by U. P. Hedrick, assisted by G. H. Howe, O. M. Taylor, Alwin Berger, G. L. Slate, and Olav Einset, has recently been issued by the New York State Agricultural Experiment Station and adds another volume to his important series of fruit monographs. It contains 614 pages and is beautifully illustrated by many colored plates.

A casual glance at the "Memoir of Samuel Endicott with a genealogy of his descendants", by his great-grandson, William Crowninshield Endicott, the Younger, would probably not suggest any interest for agricultural librarians but a more careful examination would disclose the fact that pages 177-188 deal with "The Endicott Pear Tree" which holds a most unique place because of the fact that it represents the oldest introduced fruit tree in America of which there is any authentic knowledge. The tree is still living on the Endicott estate in Danvers, Massachusetts. The U. S. Department of Agriculture was recently presented with a copy of the volume which was privately printed in an edition of only 125 copies.

"The Cornell Beekeeping Library", a short account of the plans and accomplishments of this Library during 1925, by Dr. E. F. Phillips, Cornell University, Ithaca, which is contained in the Journal of Economic Entomology for February, 1926, on pages 174-178, supplements the information in regard to this library contained in the article on "Apicultural Libraries in the United States" by Miss Mabel Colcord, in AGRICULTURAL LIBRARY NOTES for March, 1926.

"Marketing Agricultural Products by Parcel Post and Express. Short List of References", (4 p.), and "Municipal Markets in the United States, a List of References on Markets Owned or Governed by Cities", (6p.), are the titles of two typewritten lists compiled by Muriel F. Wright in the Library of the Bureau of Agricultural Economics, U. S. Department of Agriculture, during April.

"WHAT IS THE BEST BOOK ON FRUIT TREES?"

"What is the best book extant on the care and cultivation of fruit trees?" is a query which was recently received by the Library of the U. S. Department of Agriculture. As it was felt that technical knowledge regarding horticulture was needed to answer this query satisfactorily, it was referred to one of the fruit specialists, Mr. H. P. Gould, in the Office of Horticulture, Bureau of Plant Industry. He has kindly acceded to our request for permission to include in AGRICULTURAL LIBRARY NOTES a copy of his answer. This will, it is believed, be helpful to other agricultural librarians.

"I do not believe that it is possible for me to meet this request fully and without qualifications. In other words, I do not believe that it is possible to name any one book and say that it is the best one extant on the care and cultivation of fruit trees. There is only another at the present time a book on the banana which I consider perhaps the best book available on that one fruit. This, however, is in part because there is so little literature of real importance to compare it with. Some years ago a book on peach culture appeared. It was not conceit when the author, somewhat facetiously, said that he considered it the best book on peaches available and such a statement, if made by a disinterested party, might not represent a very high order of praise for the book because there are so few books that attempt to cover the peach in a comprehensive way with which this particular one could be compared. There are several books on apple growing. It might be possible to select one of them as perhaps superior, all things considered, to any of the others.

"It would be exceedingly difficult, in fact perhaps impossible, to name the best lawyer or the best surgeon or the best mechanic in any place of sufficient size to include in its population a considerable number of such specialists. At the same time, one might name a lawyer who was outstanding in comparison with his contemporaries in some particular field. A surgeon might specialize in some particular line to such an extent that in his particular field he was admittedly without a peer. The same is true in any other field that might be mentioned. Applying this reasoning to books concerning fruit growing, there are particular ones which excel in one field or another and at the same time they may be weak in comparison in other aspects.

"Having said this, specific reference to certain books may be made. One entitled 'American Fruits' by Samuel Fraser, published by the Orange Judd Company, covers a remarkably wide field. The author has packed into the volume, which numbers, with the index, 519 pages, a vast amount of information. He touches on practically every kind of fruit that is grown commercially, at least in the United States. Taking your request just as it is worded, possibly this book comes as near meeting your brief specifications as any single volume that I can suggest.

"'The Principles of Fruit Growing' by L. H. Bailey, published by the Macmillan Company in the Rural Science series, is comprehensive in its scope. However, it discusses fruit growing in general from the standpoint of the principles involved while 'American Fruits' takes up and discusses, in many instances rather briefly, the specific fruits.

"'Productive Orcharding' by F. C. Sears, published by the J. B. Lippincott Company, is a book which in its scope is not unlike 'The Principles of Fruit Growing'. I suspect that for one mainly interested in apple culture, 'Productive Orcharding' might be more directly applicable than 'The Principles of Fruit Growing', yet both are good.

"If one were interested in fruit growing in the warmer portions of the country and in the tropics, one would probably need 'The Manual of Tropical and Subtropical Fruits' by Wilson Popenoe, published by the Macmillan Company.

"WHAT IS THE BEST BOOK ON FRUIT TREES?" (Cont'd)

"There are one or two books of outstanding importance for one interested in grapes. Then there are others that treat fully of fruit insects, others of fruit diseases, not to mention numerous books of general interest.

"The books thus far named and referred to are books of such character that the practical fruit grower of ordinary education could use them to advantage. Aside from these, there are two volumes which probably should be cited though they are very different in the manner of presentation of the subject matter than those already cited. These are 'Fundamentals of Fruit Production' by Gardner, Lewelord and Hocker, published by the McGraw-Hill Book Co., Inc., and 'Fruit Growing' by W. H. Chandler, published by Houghton Mifflin Co. These two volumes are somewhat technical and much of the material is presented in technical language. Practically all of the more recent literature is reviewed, including much that is presented from a somewhat technical physiological standpoint. Both of these volumes are intended for use in advanced college work and for technical workers in general. They are exceedingly valuable books but the average reader to whom the other volumes referred to would have a popular appeal would find these two volumes last cited pretty stiff reading.

"I do not know that these comments fully meet the conditions of your inquiry but they at least point out certain difficulties that one must face in attempting to make a reply to an inquiry like the one before me."

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"WHY DO ADVISERS ON VEGETABLE GROWING DISAGREE?"

About the same time that the U. S. Department of Agriculture Library received the request for a reference to the best book on fruit growing, another letter was received from a backyard gardener who "after much consultation of a dozen or more books such as backyard gardeners like to own, and after collecting for comparative study more than fifty seed catalogues", felt constrained to make the following complaint: "Why do our advisers on vegetable growing disagree with one another? Why, for instance, do some tell us to plant peas every ten days till the middle of June, and others tell us to plant them at intervals of three weeks and fail to mention the date for the last planting of the season? Why do some tell us to drop the seed 1/2" to 1" apart and others to drop it 2" apart - a difference of 100 per cent in the cost? Why do some recommend planting in trenches 6" to 8" deep, while others say that to plant peas in a trench more than 6" deep is worse than useless? ... They can not all be right in this multifariousness; nor can the seedsmen, who may choose to insert cultural directions in their catalogues." This letter also was referred to the Office of Horticulture, Bureau of Plant Industry, which made the following interesting comments: "While apparent discrepancies and incongruities without question exist in horticultural literature which is prepared for various regions of the United States, it is undoubtedly a fact that these differences in statement are justified by the locality in which the recommendations are to be put in practice. To endeavor to systematize and organize horticultural information so as to remove all apparent inconsistencies would be to assume that the plant conditions throughout the United States are identical and that such practices could be reduced to a fixed set of rules and regulations which anyone who has had any experience with plant life knows is impossible."

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The Summer Course in Library Science at the University of Illinois will begin Monday, June 21, and will end Saturday, August 14.

EULOGY OF A GOVERNMENT AGRICULTURAL DOCUMENT

In Paul De Kruif's new book called "Microbe Hunters", a collection of most interesting biographies of bacteriologists whose discoveries have been of great benefit to mankind, there is a chapter on Theobald Smith, of whom Dr. Kruif says "he was the first, and remains the captain of American microbe hunters". The fact that this chapter contains an eulogy of a government agricultural document gives it an added interest to agricultural librarians who after reading it will no doubt hasten to find whether they are fortunate in having on their library shelves this agricultural "classic", now entirely out of print. The document referred to, entitled "Investigation into the Nature, Causation, and Prevention of Texas or Southern Cattle Fever", was issued as Bulletin no. 1 of the Bureau of Animal Industry. The eulogy follows:

"'It is in the power of man to make parasitic maladies disappear from the face of the globe!' So promised Pasteur, palsied but famous after his fight with the sickness of silkworms. He promised that, you remember, with a kind of enthusiastic vehemence, making folks think they might be rid of plagues by a year after the next at the latest. Men began to hope and wait ...

"Then arose a young man, Theobald Smith, at the opening of the last ten years of the eighteen hundreds, to show why northern cows get sick and die of Texas fever when they go south, and to explain why southern cows, though healthy, go north and trail with them a mysterious death for northern cattle. In 1893 Theobald Smith wrote his straight, clear report of the answer to this riddle; there was certainly no horn-tooting about it and the report is now out of print - but that report gave an idea to the swashbuckling David Bruce; it gave hints to Patrick Manson; it set thoughts flickering through the head of the brilliant but indignant Italian, Grassi; that report gave confidence in his dangerous quest to the American Walter Reed and that gang of officers and gallant privates who refused extra pay for the job of being martyrs to research... Never - and I do not forget the masterpieces of Leeuwenhoek or Koch or any genius in the line of microbe hunters - never, I say, has there been written a more simple but at the same time more solid answer to an enigma of nature. A bright boy could understand it; Sir Isaac Newton would have taken off his hat to it. He loved Beethoven, did young Smith, and for me this 'Investigation into the Nature, Causation, and Prevention of Texas or Southern Cattle Fever' has the quality of that Eighth Symphony of Beethoven's sour later years. Absurdly simple in their theme they both are, but unearthly varied and complete in the working out of those themes - just as nature is at once simple and infinitely complex ...

"And so, with this report, Theobald Smith made mankind turn a corner, showed men an entirely new and fantastic way a disease may be carried - by an insect. And only by that insect. Wipe out that insect, dip all of your cattle to kill all their ticks, keep your northern cattle in fields where there are no ticks, and Texas fever will disappear from the earth. Today whole states are dipping their cattle and today Texas fever which once threatened the great myriads of American cattle is no longer a matter for concern. But that is only the beginning of the beneficent deeds of this plain report, this classic unappreciated and completely out of print. For presently, on the veldt and in the dangerous bush of southern Africa, a burly Scotch surgeon-major swore at the bite of a tsetse fly - and wondered what else besides merely annoying one, these tsetse flies might do. And a little later in India, and at the same time in Italy, an Englishman and an Italian listened to the whining song of swarms of mosquitoes, and dreamed and wondered and planned strange experiments.

"But these are the stories the next chapters will celebrate. They tell of ancient plagues now in reach of mankind's complete control - they tell of a deadly

EULOGY OF A GOVERNMENT AGRICULTURAL DOCUMENT (Cont'd)

yellow disease now almost entirely abolished. They tell of men projecting pictures of swarming human life and turreted cities of the future reaching up and up, built on jungles now fit only for man-killing insects and lizards. It was this now nearly forgotten microbe hunting of Theobald Smith that first gave men the right to have visions of a world transformed."

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RECLASSIFICATION OF IOWA STATE COLLEGE LIBRARY, AMES

The Iowa State College Library, after an extended consideration, decided last year to change its classification from the Dewey System to that of the Library of Congress. The most important reason for the change was the fact that most of the collection would have to be reclassified in any event, inasmuch as a majority of the accessions before 1920 were classified only under the main divisions of the Dewey, three figures being used in most cases. The back cataloguing, also, was continually causing difficulties, over sixty per cent of the accessions before 1925 requiring revision of the cataloguing entries. Since so much revision was necessary it was believed more satisfactory to change entirely to the Library of Congress system. The work was more simple than is the case in older and larger collections, inasmuch as the Library had only about 150,000 volumes. It was decided to classify practically all new books received after 1925 by the Library of Congress system and to reclassify the older books as fast as opportunity offers. In about six months 4500 new volumes have been classified according to the Library of Congress system and 3000 volumes have been reclassified. It is expected that in the future the work will move much faster, although the need of recataloguing practically all serial entries will delay greatly the reclassification.

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AGRICULTURAL LIBRARIES SECTION MEETING

The Chairman of the Agricultural Libraries Section, Miss Lucy M. Lewis, Librarian of the Oregon State Agricultural College, Corvallis, is now arranging the program for the next meeting in connection with the A. L. A. Conference in Atlantic City in October. She wants suggestions from every agricultural librarian as to topics for discussion. What are some of the subjects in which you would be interested? Would you prefer informal discussions or prepared papers? Would you prefer that these should be on various phases of one general subject or on two or three different subjects? Would you like to have some prominent speaker from outside of the library profession or would you prefer speakers from the ranks of agricultural librarians? Write to Miss Lewis at the earliest possible date, letting her know your preferences and some of the problems which you would like particularly to have discussed.

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EXPERIMENT STATION MAILING LISTS

In connection with the subject of duplicates, the Librarian of the University of Vermont sends the following suggestion: "Would it be possible through the 'Notes' to draw the attention of the Experiment Stations to the need of a revision of their mailing lists to College Libraries? There are so many duplicate copies and such a waste of energy and material. For example, this Library has the name 'Billings Library' and we will get the same bulletin sometimes under five different addresses - 'Billings Library', 'University of Vermont Library', 'Vermont University Library', 'Vermont State Agricultural College Library', and one addressed under my name as Librarian, while the Experiment Station Library is receiving at least one or more copies."

BOOKS AND READING IN THE FARM HOME

Following is an extract from an article in a recent number of the Publishers' Weekly by an Iowa bookdealer on the general subject of books and reading in the farm home: "During the past few years it has been my privilege to sell books in the very center of Iowa's corn counties, and I have sold books to the man who plants corn and to the man who buys it and grinds it into starch, oil, syrup, and sugar. On the whole, the farmer buys and reads as many books as does the man in the city. The whole United States has read in newspaper headlines each day for several years that Iowa has 'the Farmer'. It has read of his needs, his wants, and his demands. Woodbury, Iowa, and the farmer, have come to be almost synonymous. Since the farmer is today so important a person, the bookseller in Iowa has had to be on to his job selling books to instruct, to entertain, and to pacify this 'man with the hoe' and the Ford tractor. In selling books, whether it be to the millionaire, the farmer or the day laborer, it is much better to sell the habit of reading first. The buying will follow if you have, by your love for books, inspired others to love them and want to own them. When the County Demonstrator came to me last summer and asked me to go with her to speak to a group of Farm Bureau people on the subject of 'Books', I realized this was a field that had been neglected. Here were people who perhaps had time for reading, who would buy more books, if they only were reminded of the importance of books in the home. Several trips were made during the summer, the first a visit to the Farm Women's Camp out on the Wapsie River, where stories were read and suggestions made for books for family group reading. These women were from twenty-three to fifty-five years of age. I found them most interested in children's books. Other meetings at farm homes included fathers, mothers and children. Here I shared a place on the program with various musical numbers, readings, demonstrations, etc. By ten-thirty, just before 'refreshments', I was given the chance either to waken the sleeping ones or lull the waking ones with my stories and book propaganda.

"In January The Whittier Farm Institute planned a book contest. Each home represented was asked to bring ten books that they considered most worth while for the home library and I was asked to judge their selections. Who says there are not thrills in bookselling? This was on January 22nd, the temperature was 14 degrees below zero, Iowa roads impassable, so it was necessary to take a 5:45 a. m. train. A good Quaker farmer met me and took me to his home for breakfast. My first surprise came when I saw what well-selected books were in this home. At 10:00 a. m. we drove over to the community house and, to my further surprise, I found a long table piled full of books and periodicals. I was to judge who had made the best selection! It was not an easy job, for while I was carefully checking what was shown, I was making mental comment on the fact that here were books that one probably would not find in many city homes, even east of the great literary center, Chicago. Poetry was found in each group. Many who had thought the books should be for entertainment only, brought much fiction. The following list was given the prize: Shakespeare Complete; Longfellow's Poems; 'Principles of Rural Economics,' Carver; 'The Challenge of the Country,' Eliot; 'Feeding the Family', Rose; 'Tale of Two Cities,' Dickens; 'Lorna Doone,' Blackmore; 'The Mind in the Making,' Robinson; The Dictionary; The Bible. The periodicals were: Literary Digest; Good Housekeeping; Country Gentleman; Youth's Companion; Wallace's Farmer; Cedar Rapids Evening Gazette. New York may not approve, but I think these were well chosen and appropriate for an Iowa farm home. My subject on the program was 'Books and Reading for the Farm Home'. The Resolutions Committee, reporting later, included the following in its report: 'That we emphasize the pleasure and profit of good reading and especially the practice of reading aloud'. ... Contrasting with

BOOKS AND READING IN THE FARM HOME (Cont'd)

this trip was one made in February into another county. This was a parents' meeting in a small country schoolhouse. Going twelve miles by train, three miles thru mud in an open buggy, I found an enthusiastic crowd waiting. The county superintendent had walked four miles from the interurban to share a place on the program. This was an entirely different group of people; people not so used to books in the home, but who had the love for stories. I shall never forget how they liked one of Dorothy Canfield's 'Made-to-Order Stories'. By reading 'Matchless Stories', selections from 'When We Were Very Young', and other things of like nature, I proved to them by their own interest how they could interest each other by reading aloud."

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STATISTICS OF LAND GRANT COLLEGES

The table of statistics of land grant colleges prepared by Mr. J. R. Gulledge, Librarian of the North Carolina State College of Agriculture, and published in AGRICULTURAL LIBRARY NOTES for March, 1926, has aroused considerable interest. Mr. C. H. Brown, Librarian of the Iowa State College, takes exception, however, to some of the figures. His comments were as follows: "The implied comparison between the income of various universities and library expenditures may lead to misinterpretation. For instance, according to the U. S. Bureau of Education Bulletin, Louisiana State University shows an income of $2,419,546. Of this income, however, only [illegible] is being used for current expenditures. $1,458,519 is being used for building and permanent improvements. Libraries ought not to be expected to have the same proportion of total income of universities if 4/5 of the income is being used for permanent buildings. Of the income of Iowa State College, less than one-half was available for current expenses. Hence, the ratio of total income of the college to the expenditure of the library might lead to a wrong impression. I believe it would have been of more value if the column under income had shown the amount available for current expenses. If this had been done, the ratio of current expenses to current library expenditure would have shown some interesting results."

It is always difficult to make comparisons for there are so many factors to be taken into consideration. Some may question whether the library income, at least for books, should be based on either the current expenditures of the college or the total income, including that for permanent improvements. Others may question whether the accessions of the library should be classed with supplies and the miscellaneous current expenses of other departments. The fact that the Bureau of Education Bulletin on which the table was based gives only the amount of state appropriations for current expenses and does not include funds received from other sources needs also to be taken into consideration. Probably no comparison would be fair in every case.

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SCIENTIFIC MEETINGS

The XIIth International Physiological Congress will be held in Stockholm from August 3rd to August 6th, 1926.

The third World's Poultry Congress and Exhibition is to be held in Ottawa, Canada, from July 27 to August 4, 1927. The leading poultry scientists from all countries are preparing to attend the Congress, many of them to speak on special topics. The U. S. Senate has passed a joint resolution authorizing the Secretary of Agriculture to send delegates and an exhibit.

The second annual session of the American Institute of Cooperation is to be held at the University of Minnesota, June 21 to July 17, 1926.

RECREATIONS OF FARM BOYS AND GIRLS

"Problems of Rural Youth" is the title of an article by Robert G. Foster, Field Agent, Extension Service, U. S. Department of Agriculture, in Rural America for May, 1936. It bears upon the topic "'Farm Youth and a Permanent Agriculture', which will be discussed at the Ninth National Conference of the American Country Life Association, Washington, D. C., November 11-15, 1936." It is an assembly of testimony of farm boys and girls as to their recreation, their plans for the future and their attitude toward farming, gathered by the Institute of Social and Religious Research as a part of its study of American agricultural villages which will shortly appear in five volumes. The material is published by the courtesy of the Institute. The farm boys and girls who recorded their attitudes in this study lived in fifty-three communities, located mostly in the West and the South. (School was not in session when the Middle western villages were studied.) The information was gathered by field workers of the Institute who supervised the students while they gave answers to questions submitted to them on a written questionnaire. The replies tabulated are from about two thousand farm boys and girls, all of whom were in high school. The population of the villages studied was located within communicating distance of a city of one hundred thousand or over. Numerous state agencies assisted in selecting typically rural areas which were representative of their states. These boys and girls were asked to name their three chief recreations." The seven recreations having the largest number of choices by boys and girls living in the country and by those living in villages are given in the following tables. It is of interest to librarians to note the relative place of reading in the list.

Recreations of Boys

Recreation	Number named by boys living in country	Number named by boys living in village
Swimming.....	267	325
Hunting.....	226	219
Baseball.....	267	361
Reading.....	190	227
Basketball.....	167	210
Fishing.....	164	193
Football.....	152	216

Recreations of Girls

Recreation	Number named by girls living in country	Number named by girls living in village
Reading.....	520	651
Swimming.....	264	398
Basketball.....	194	232
Riding.....	192	157
Dancing.....	199	314
Tennis.....	119	244
Hiking.....	113	247

REFERENCES FOR THE STUDY OF THE CHEMISTRY OF THE COTTON PLANT AND ITS PRODUCTS

Compiled by
Louise Duvall, Librarian, Bureau of Chemistry,
U. S. Department of Agriculture

The Plant

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REFERENCES FOR THE STUDY OF THE CHEMISTRY OF
THE COTTON PLANT AND ITS PRODUCTS (Cont'd)

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REFERENCES FOR THE STUDY OF THE CHEMISTRY OF
THE COTTON PLANT AND ITS PRODUCTS (Cont'd)

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REFERENCES FOR THE STUDY OF THE CHEMISTRY OF
THE COTTON PLANT AND ITS PRODUCTS (Cont'd)

Industrial Processes (Cont'd)

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CLASSIFICATION OF BIOLOGY

The Librarian of one of the state colleges of agriculture has written for suggestions as to desirable modifications for the classes of biology (570 and 580) in the Dewey Decimal Classification which have not been found satisfactory. If any other library has worked over these classes, the inquirer would be glad to have the benefit of this experience. Suggestions may be sent to the Librarian of the U. S. Department of Agriculture who will forward them to the Librarian desiring the information.

NOTES ON PERIODICALS

New Periodicals

American

Pacific [illegible] journal. mo. il. 4°. v.1, no. 1, Sept. 1, 1925. Darey F. Tierce, ed. & pub., 1[illegible] Del Mar Ave., Gilmar, Calif. $1.00 a year.

Foreign

Junosta; orgeno de propaganda ... Ed. por la Junta nacional directora de la campana contra la langosta. semi-mo. il. 4°. ano 1, no. 1, Feb. 15, 1926. H. Veracruz, México. (No price quoted)

Puerto Rico agricola. mo. il. 4°. v. 1, no. 1, Aug. 192[illegible]. Apartado 1601, San Juan, P. R. $3.00 a year.

Revista de medicina veterinaria y ganaderia. mo. il. 4°. v. 1, no. 4, Jan. 1926. Director, Dr. R. A. Osorio, Filomeno Mata 6, México, D. F., México. $1.50 a year.

Changed Titles

American

Semi-annual digest of co-operative agricultural extension workers' activities. Chicago. Changed to Agricultural leaders' digest with v.6, no. 2? Sept.? 1925.

Foreign

Mexican commerce. Mexico City. Changed to Mexican commerce and industry with v.[illegible], no.1, Jan. 1[illegible]. (Jan.-Dec. 1[illegible] was numbered v.1, no.1-12; with Jan. 1926 the vol. numbering of the Journal of the American chamber of commerce of Mexico, Mexico City, was resumed)

Ceased Publication

Tractor and gas engine review. Madison, Wis. Discontinued with v. 18, no. 12, Dec. 1925. Merged with American thresherman, Jan. 1926. (This was noted in the last number of AGRICULTURAL LIBRARY NOTES but by mistake the number of the last issue was given as vol. 19, no. 12, instead of vol. 18, no. 12)

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The first issue of the new journal entitled "Biological Abstracts" is expected to be out in June and will pertain to material published in 1926. It supersedes, for botany, "Botanical Abstracts" which will close with volume 15 at the end of 1926, this including everything published through 1925. As the new publication will be much larger than Botanical Abstracts, due to the wider field to be covered, it is planned to publish the journal on India paper in order to keep it within one volume a year.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during April, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Causes and conditions of retirement of 100 retired farmers living in Mount Horeb, Wisconsin. A preliminary report. By Veda Larson Turner. 1926. 9 p.

Changes in the occupancy of farms, 1924-25, compared with previous years (based on results of questionnaires issued annually by the Division of land economics). A preliminary report. [By Howard A. Turner] 1926. 14 p.

Crop and market news. Broadcasting schedule. A review of the market news service by radio and the schedules of broadcasting of stations having agricultural programs. [By J. C. Gilbert] 1926. 15 p.

The Division of agricultural cooperation. An outline of the division's activities, staff, and publications, prepared for the information of persons or organizations interested in cooperative marketing. [By Chris L. Christensen] 1925. 9 p.

The economic limits of the cost of water for irrigation; Henrylyn irrigation district, Colorado. By R. P. Teele ... and Paul A. Ewing ... A preliminary report. 1926. 36 p.
Issued by the Bureau of agricultural economics and the Bureau of public roads.

The economic limits of cost of water for irrigation; Julesburg irrigation district, Colorado. By R. P. Teele ... and Paul A. Ewing ... A preliminary report. 1926. 35 p.
Issued by the Bureau of agricultural economics and the Bureau of public roads.

The economic limits of cost of water for irrigation; several ditches in Dawson County, Nebraska. By R. P. Teele ... and Paul A. Ewing ... A preliminary report. 1926. 30 p.
Issued by the Bureau of agricultural economics and the Bureau of public roads.

The handling, grading and uses of rice. A compilation by C. Louise Phillips ... and W. D. Smith. 1926. 65 p. (Issued by Office of grain investigations)

Living conditions and family living in farm homes of Alabama. A preliminary report. By E. L. Kirkpatrick ... and Agnes Ellen Harris ... 1926. 25 p.
Issued by the Bureau of agricultural economics and the Alabama polytechnic institute, Extension service, cooperating.

Measures of agricultural purchasing power. By L. H. Bean. 1925. 10 p.

Report of a demonstration of marketing eggs in Oklahoma on a graded basis. [By Henry G. F. Hamann ... and Fred C. Old ...] 1926. 21 p.
Issued by the Bureau of agricultural economics in cooperation with the Oklahoma agricultural and mechanical college, Agricultural extension department.

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*For a list of the principal serial publications issued regularly see the January, 1926, issue of AGRICULTURAL LIBRARY NOTES, p. 10-14.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Agricultural Economics (Cont'd)

The standardization and inspection of fruits and vegetables. By H. W. Samson. [n. d.] 7 p.
Delivered before the American institute of cooperation.

Studies in farm economics. By E. Youngblood ... before the American farm economics association, New York City, December 30, 1925. 12 p.

Tentative U. S. standard grades for Wisconsin tobacco (U. S. types 54 and 55), prepared May 11, 1926, under authority of the United States warehouse act. 1925. 15 p.

Bureau of Animal Industry

World's poultry congress and exhibition, 1927. 1926. 3 p.

Bureau of Biological Survey

Our migratory wild fowl and present conditions affecting their abundance. By Edward W. Nelson. 1926. 17 p.
Revision of an address made by the writer before the Outdoor recreation conference at Washington, D. C., on January 21, 1926.

Bureau of Entomology

Statement regarding the cattle grub and its control. [By F. C. Bishop] 1926. 4 p.

Extension Service

Child feeding ... By M. C. Wilson ... and Miriam Birdseye. 1926. 29 p. (Office of cooperative extension work. Excerpts from 1925 annual reports of state and county extension agents. Brief no. 33. March, 1926)

The effectiveness of 4-H Club work. A study of Boys' and Girls' club work in a cross section of Middlesex County, Mass., 1925. By M. C. Wilson ... Gertrude L. Warren ... and George L. Farley ... 1925. 31 p. (Issued by Office of cooperative extension work)

The first annual 4-H club members' conference. [By] R. A. Turner. 1926. 12 p. (Issued by Office of cooperative extension work)

Office of Experiment Stations

Notes on writing and editing technical papers. [By] E. W. Allen. 1926. 16 p.
Given in the U. S. Department of Agriculture course in Bulletin writing. March 9, 1926.

Fixed Nitrogen Research Laboratory

Annual report of the Director ... for the fiscal year ending June 30, 1925. 1926 [i.e. 1925] 6 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Home Economics

Selected list of government publications on food and nutrition. Comp. by Ruth Van Deman. 1926. 36 p.
Revised February, 1926.

Vitamins A, B, and C. A table showing their distribution in food materials and a selected list of references to literature reporting their occurrence and the technique of vitamin studies. [By] Sybil L. Smith ... 1926. 23 p.

Packers and Stockyards Administration

Packers and stockyards act. Purpose and method of administration. [1926] 6 p.

Bureau of Plant Industry

Report of progress in barberry eradication for the calendar year ended December 31, 1925. By F. E. Kempton and Lynn D. Hutton. 1925. 29 p.
Reprint from the Cereal Courier, vol. 17, no. 82, pp. 415-43, December 31, 1925.

Bureau of Public Roads

Basic principles of highway management and finance. By Thomas H. MacDonald. [1926?] 20 p.

The development of improved highways. By Thomas H. MacDonald ... and H. S. Fairbank [1926?] 22 p.

Index to Public roads. [V. 1-6, May 1918-Feb. 1926] [1926?] 18 p.

Twenty years of road building progress in the United States. By Thomas H. MacDonald. [n. d.] 14 p.

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Miscellaneous Notes of Mimeographed Publications

"The Extension Animal Husbandman" is the title of a new serial mimeographed publication issued by the Bureau of Animal Industry with the cooperation of the Office of Cooperative Extension Work. The announcement in the initial number (March, 1926) states that it is intended to be the "family paper" for those who are actively engaged in animal husbandry extension work, under the provisions of the Smith-Lever Act of Congress. The plan is to issue it "semi-occasionally", depending upon the availability of material and time for working it into suitable form.

Separate lists of the Soil Surveys of each of the various states are obtainable from the Bureau of Soils.

A mimeographed list of publications issued by the Bureau of Agricultural Economics relating to markets, crops, and farm management was issued in April, 1926. This and similar lists of the bulletins issued by the former Bureau of Markets & Crop Estimates and Office of Farm Management & Farm Economics will be supplied on application to the Bureau of Agricultural Economics.

DUPLICATES AVAILABLE FOR DISTRIBUTION

Serials

American economic review, vol. 7, no. 4, supplement; vol. 12, no. 4; vol. 13, title page and index; no. 1-4.

American statistical association. Quarterly publications, vol. 12, March, June, December, 1911; vol. 15, Sept. 1916; vol. 16, June, December, 1918; March, September, 1919; December, 1919 and supplement; vol. 17, title page and index; March, June, September, 1920; March, June, December, 1921.

Argentine Republic. Segundo censo, May 10, 1895; Tome 2, Poblacion; Tome 3, Censos complementarios.

Argentine Republic. Min. de agricultura. La Argentina agricola, 1910.

Better business (Dublin), vol. 1, no. 2; vol. 2, no. 1-2; vol. 3, no. 2-4; vol. 4, no. 1-4; vol. 5, no. 1-3; vol. 6, no. 1-2; vol. 7, no. 1.

Directory of agricultural and home economic leaders, 3d ed., 1921; 4th ed., 1922.

Irish economist, vol. 7, no. 3-4; vol. 8, no. 1.

Japan. Dept. of agric. and commerce. Bur. of commerce and industry. General view of commerce and industry in the Empire of Japan. 1903.

Journal of farm economics, vol. 1, no. 1-3; vol. 2, no. 2, 3, 4; vol. 3, no. 1-4; vol. 5, title page and index.

Katalog over den Kongelige veterinær- og landbohøjskoles bibliothek, Tillaeg, 1895-1900; Tillaeg, 1895-1905; Tillaeg, 1906-1910. København.

Rus. 1918.

Science, vol. 13 to date. (Nearly complete set)

Sveriges offentliga bibliothek. Accessions-katalog, 38, 1923.

U. S. Dept. of Agriculture. Official record. (Nearly complete set)

U. S. Dept. of Agriculture. Weekly news letter. (Nearly complete set)

Who's who in America, vol. 6, 8.

Books

Bondar, Gregorio. O cacao. Bahia, 1924-25. 10¢.

Germany. Reichsministerium für ernährung und landwirtschaft. Tagesfragen der futtermittelversorgung. Berlin, 1925. 25¢.

Howard, Albert. Crop-production in India. Oxford, 1924. $2.00.

Iltis, Hugo. Gregor Johann Mendel, leben, werk und wirkung. Berlin, Julius Springer, 1924. $4.00.

K. Dansk landhusholdningsselskab. A short survey of the Danish agriculture. Copenhagen, 1913. 10¢.

Massachusetts society for promoting agriculture. Infectiousness of milk. Boston, 1895. 25¢.

Medical research council (Gt. Brit.). Tuberculin tests in cattle. London, 1925. 10¢.

Moody, J. F. A complete work on the pruning of fruit trees. Perth, 1912. 25¢.

Mosséri, V. M. Les constructions rurales en Egypte. Le Caire, 1921. 25¢.

Sears, F. C. Productive small fruit culture. Philadelphia [1920]. 50¢.

Sørensen, S. P. L. Proteins. New York, 1925. 25¢.

Souza Brito, E. S. de. Dicciomario chiavelado de plantas forrageiras. S. Paulo, 1922. 10¢.

Whitworth, S. H. The influence of hydrogen ion concentration on the biology of the entamoeba organism. Zürich, 1924. 10¢.

Winterbottom, D. C. Weevil in wheat and storage of grain in bags; a record of Australian experience during the war period (1915 to 1919). Adelaide, 1922. 10¢.

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS

Vol. 1, No. 5 May, 1926.

NOTES ON BOOKS AND BIBLIOGRAPHIES

"The new General Index to the Experiment Station Record made its appearance on May 17, 1926. It covers volumes 26-40, which date from 1912-1919. The aim of the volume is to combine and unify the separate fifteen indexes which it includes, and as far as possible to keep step with the advance and progress made in the many fields of scientific research dealt with in the Record. When one considers this yearly progress and that some of the material indexed was abstracted fourteen years ago, one can readily see how difficult is the task to keep the terminology of a growing index unified and up to date. Hence there will be many terms and forms of spelling, correct at the time, which may seem quite out of date or even erroneous in the light of the scientific attainments of 1926. It seemed almost impossible from the standpoint of mere bulk to include more than fifteen volumes, consequently the index could run only up to 1919. Even now we are working on a new one to cover the next ten years but as so enormous a task requires about three years to complete it, we are bound to lag a few years behind the curtent volume of the Record. As our greatest problem was to reduce its size, we were forced to use the 6 point monotype, printed solid, to omit the abbreviations indicating Station publications abstracted, and to discard Roman numerals to distinguish volume from page numbers. Thus by strenuous economy, which may seem to work a hardship on some users of the index, we have succeeded in reducing the size to 640 pages."

The foregoing statement was supplied by Miss Martha C. Gundlach, of the Office of Experiment Stations, who prepared the index. An examination of the index will disclose a mine of references to books and bibliographies. The index entries on books cover nearly eleven pages with double columns to the page. About the same amount of space is devoted to bibliographies. Librarians in need of bibliographies on scientific, economic and home economics subjects will find this list of great value. The subjects covered range from very specific and minute subjects to general and comprehensive subjects.

"Work and Expenditures of the Agricultural Experiment Stations, 1924", has recently been issued by the Office of Experiment Stations, U.S. Department of Agriculture. Librarians will be particularly interested in its bibliographical features. In addition to a classified list of the publications of the stations for 1924, which is contained on pages 89-103, the three following articles have appended to them extensive lists of the station publications covering the work of the stations on the subjects named during a number of years: Breeding work with field crops at the experiment stations (239 references); Station work in horticultural breeding (72 references); Investigations in animal genetics at the stations (378 references). It may be of interest to note also that the reports on the "Work and Expenditures of the Agricultural Experiment Stations" for 1921, 1922 and 1923 contain classified lists of the station publications for those years. The reports for 1922 and 1923 have in addition lists of station publication appended to articles on the following subjects: 1922. Experiment station work on the fat-soluble vitamins; Station investigations on fruit-bud formation; Progress in agricultural engineering at the stations; Range investigations of the experiment stations; 1923. Station work on infectious abortion; History of station work in agricultural economics; Station work on the ventilation of animal shelters.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd.)

The "Naturalist's Guide" prepared by the Committee on the Preservation of Natural Conditions of the Ecological Society of America, with assistance from numerous organizations and individuals and edited by Victor E. Shelford, is reviewed in "Nature Magazine" for June, 1926, on page 327, by Edward A. Preble of the Biological Survey, U. S. Department of Agriculture. Mr. Preble says in conclusion: "The book should be in the library of every person and organization genuinely and broadly interested in the preservation of our natural resources. To the explorer and traveler in remote regions, especially if he be interested in Nature, it cannot fail to be of help. It is a work notable alike in its concept and construction."

"Some Books on Forestry, in English" is the title of a short bibliography by Helen E. Stockbridge, Librarian of the Forest Service, U. S. Department of Agriculture, which is contained on pages 326-333 of the "Forestry Almanac, Semi-centennial Edition", issued by the American Tree Association, 1926. The volume also contains much other reference material such as lists of forestry associations, forestry schools, and forestry officials.

"Methods in Farmer-Training through Participation and Placement", by John T. Wheeler, Georgia State College of Agriculture, and published by the Turner E. Smith Company, Atlanta, Georgia, contains a selected bibliography of professional books and bulletins on agricultural education and vocational education.

"Changing Corn Prices, or Financial Problems of the Corn Belt", by John L. Dillinger, Avoca, Iowa, has recently been published by the Avoca Publishing Company, Avoca, Iowa. The preface by the author states that the book "has been written with the hope of contributing something of value towards a better understanding of the great and pressing problem of the corn-belt - fluctuating corn prices, and of suggesting a practical remedy therefor in the application of hedging principles to the farming business".

The library of the Bureau of Agricultural Economics of the U. S. Department of Agriculture has recently prepared typewritten bibliographies on the following subjects. Copies are not available for distribution but may be borrowed for copying:

National agricultural policies: a partial list of references. Compiled by Mary G. Lacy. 14 p.

Municipal markets in the United States. Compiled by Muriel F. Wright. 8 p.

Taxation: List of references on taxation with special reference to the farm. Compiled by Emily L. Day. 6 p.
This list supplements a list with the same title compiled by Margaret T. Olcott, dated April 9, 1923.

Comment from the Australian and New Zealand dairy and trade press on government control of butter exportation. A list of references. Compiled by Louise O. Bercaw. 5 p.

A list of references on the organization and functioning of farmers' mutual fire insurance companies. Compiled by Louise O. Bercaw. 6 p.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd.)

The Reference Department of the Oregon Agricultural College Library has prepared a list of 563 references on forestry in that library. This is not to be published but it is probable that a typewritten copy can be lent to any one who wishes to make a copy.

A summary of the findings regarding farm family living as developed by the study of 2,886 farm families in 11 states is presented in the Christian Science Monitor for May 21, together with a photograph of Dr. E. L. Kirkpatrick, Division of Farm Population and Rural Life, who planned and directed this study. This article gives a "close-up" of the typical or composite farm family as evoked by these figures.

The "Book of Poultry" by Thomas F. McGrew, a new book issued by Thomas Nelson & Sons in 1926, bears the copyright dates of 1912 and 1921 in addition to 1926. As no record of the 1912 and 1921 editions could be found, an enquiry was addressed to the publishers, asking whether the earlier editions were issued under some other titles. The following reply was received from the publishers: "We have to inform you that the earlier editions of this book were copyrighted in pamphlet form under the titles of each section in the book as follows: Standard-Bred Poultry; Standard-Bred Poultry Management; Poultry Judging; American Fowls; Asiatic Fowls; Bantam Fowls; Belgian, Dutch and German Fowls; English Fowls; French, Polish and Miscellaneous Fowls; Game Fowls; Mediterranean Fowls. ... The International Textbook Company, Scranton, Pa., published the various sections."

Librarians who have looked over the list of forthcoming agricultural books announced by the A. W. Shaw Co. in their house organ "Ex Libris" for February, 1926, page 13, may be interested to know that several of the authors mentioned have not yet touched pen to paper in connection with the preparation of the books.

H. W. Conn's "Bateriology" has been reprinted. Dr. Conn seized the opportunity to make a few minor changes in the text but these were insufficient, according to a statement of the publishers, William & Wilkins, to justify calling the new printing the "third edition".

"A Bibliography of Selected Works on Co-operation", comprising four pages, has recently been issued by the Co-operative Union Limited (General Publications Department), Holyoake House, Hanover Street, Manchester, England. It consists almost entirely of English works.

The new "Directory of Agricultural and Home Economics Leaders in the United States and the Dominion of Canada" for 1926 will be issued in June, according to a statement by the compiler, Mr. Wm. Grant Wilson, 777 Concord Avenue, Cambridge, Massachusetts.

At the joint meeting of the Maryland and District of Columbia Library Associations held in Washington on May 10th-12th, Miss Mary G. Lacy, Librarian of the Bureau of Agricultural Economics, U. S. Department of Agriculture, read a paper describing the mimeographed publications and more popular services of the Department as typical of the work done by government departments in adapting their data to the non-technical person. This will be printed in a forthcoming number of the Library Journal.

STATE OFFICIAL SOURCES OF ALABAMA AGRICULTURAL STATISTICS

At the meeting of the Agricultural Libraries Section of the American Library Association in July, 1925, it was proposed that the Library of the U. S. Department of Agriculture, cooperating with the agricultural librarians of the country, issue a series of source books of state agricultural statistics to meet the increasing demand for indexes in this field. In accordance with this suggestion the Library of the Bureau of Agricultural Economics has compiled as the first of this series an index to the sources of the state official agricultural statistics of Alabama. It was issued as Agricultural Economics Bibliography no. 15 of the Bureau of Agricultural Economics and comprises 96 pages. It was prepared by Margaret T. Olcott. The index has been sent out to all on the mailing list with a request for comment and criticism. It is hoped that constructive suggestions may be received which will be helpful in making similar indexes for other states. As explained in the introduction, "State official sources of agricultural statistics have been indexed in so far as these sources were available in the Library of the U. S. Department of Agriculture. That is to say, the publications in this Library issued by official agencies of the state of Alabama, such as the Department of Agriculture and Industries, the Alabama Polytechnic Institute, and the Agricultural Experiment Station were examined. In addition to such official sources the publications of the following associations have been examined: Alabama Livestock Association, Alabama State Agricultural Society, Alabama State Horticultural Society.... A complete list of the publications examined is given on pages 86-92.... Publications issued by private and commercial agencies have not been examined. Federal official statistics are not included as it was realized that their inclusion in the index for each state would entail an enormous repetition of work. It was, therefore decided to issue a separate index to the federal sources of statistics of all the states. This work will be undertaken as soon as possible as no state compilation will be complete without it". Unfortunately, the files of the state official publications are not all complete. Many efforts to complete them have been made without success. The cooperation of other libraries in helping to complete the files will be greatly appreciated.

STATE OFFICIAL SOURCES OF CALIFORNIA AGRICULTURAL STATISTICS

A compilation of the official sources of California agricultural statistics similar to the Alabama compilation described above is well under way. Mrs. M. J. Abbott, Agricultural Reference Librarian of the University of California, is cooperating by indexing the unofficial sources of the agricultural statistics of California.

FACTORS AFFECTING PRICES

"Factors Affecting Prices" is the title of a selected bibliography, including some references on the theory and practice of price analysis which has been compiled by Louise O. Bercaw and issued as Agricultural Economics Bibliography no. 14, March, 1926. 40 pages.

As stated in the introduction, "This bibliography is an attempt to make an annotated list of recent work on the economic-statistical analyses of price movements. It is hoped that it is fairly complete in the field of agriculture, but no effort has been made to make it complete in other fields such as coal, iron, petroleum, etc. As a rule, references to index numbers, cost of production, and prices as affected by war conditions have been omitted. Some references to business and generating cycles and methods for the statistical analysis of prices have been included... No attempt has been made to cover the subject prior to 1915."

"THE GARDENER'S ASSISTANT"

A new edition of "The Gardener's Assistant" by William Watson, has recently been issued by the Gresham Publishing Company, London, in six quarto volumes. Librarians who are considering the purchase of this new edition may be interested in the following extract from the preface written by Sir Frederic Keeble. Preceding his description he gives a list of the principal editions.

The Gardener's Assistant. By Robert Thompson, Superintendent of the Royal Horticultural Society's Gardens, Chiswick. First edition published 1859, and frequently reprinted in succeeding years.

The Gardener's Assistant. By Robert Thompson, etc. New and enlarged edition of above. Published 1875.

The Gardener's Assistant. By Robert Thompson. New edition, revised and entirely remodelled by William Watson, Royal Gardens, Kew. With many specialist contributions. Published 1900, and frequently reprinted.

The Gardener's Assistant. Editor, William Watson, F. R. Hort. S., Curator, Royal Botanic Gardens, Kew. With Preface by Professor Sir Frederick W. Keeble, C. B. E., F. R. S., Sc. D. (Cantab.), and many specialist contributions. Published 1925.

"It is not usual, nor as a rule desirable, for the writer of a preface to descant on the excellence of the book which he introduces to the public. Rather it is his duty to describe the purpose and plan of the work, interspersing his description with judicially worded praise of the manner in which purpose and plan have been fulfilled. In the present case, however, there are good reasons why this generally salutary practice should be ignored. One of the reasons is that, inasmuch as I am a gardener not by profession, but only by predilection, I cannot but welcome the opportunity of paying a tribute to the skill and knowledge possessed by British professional gardeners. Evidence of that knowledge is forthcoming in wellnigh every page of this work: for wellnigh every page is from the pen of one of the leaders of the world of professional gardeners. The names of the contributors are a sure warrant of the trustworthiness of the information which these writers severally impart: Edwin Beckett on Kitchen and Fruit and Vegetable Gardens, James Hudson on Fruits and the Orchard House, Ward on Vines, O'Brien on Orchids, Webster on Bedding and Sub-tropical Gardens, Lynch on Herbaceous Perennials and Hardy Annuals, Bean on Transplanting, and other names no less distinguished - all of men to whom anyone wanting information on one or other of these subjects has been wont to turn. In these pages they give their ripe experience to the world, and so hand on to posterity the knowledge which has made them famous among their contemporaries, and thereby ensure that the lore, which by much and arduous labour they have acquired, shall live after them.

"There are yet other reasons why the writer of the preface should not hesitate to express his admiration for this work. It is and has long been famous. The first edition edited by a great gardener, Robert Thompson of the Horticultural Society's Gardens at Chiswick, appeared in 1859, and from that day to the present time, The Gardener's Assistant has been the guide, philospher, and friend of British gardeners.

"After some forty years Thompson's original edition, which so well proved itself, was replaced by another; edited by a young but already well-known gardener, William Watson. The success which attended the first attended also this edition. Nor could it well have been otherwise, for the editor had a keen eye not only for plants but for capable men, and gathered round him the best gardeners of his time. Many of those named already are still the best, and after a lapse of twenty-five

"THE GARDENER'S ASSISTANT" (Cont'd)

years are contributing again to the present edition: a guarantee that it will merit and receive the same encomium as that which was bestowed upon its predecessor, and will like it be regarded as 'the soundest and best guide to practical gardening published in our times: the best book on general practical horticulture in the English language'.

"Yet a third and most cogent reason why in writing the preface I should speak in terms of praise of this work is that this is the only thing which, though I may essay it, the editor himself, had he lived, neither could nor would have done. Whilst the last pages of this work were in the press, the hand of death was laid on William Watson, and it is an added sorrow to his friends that the editor did not live to see the issue of a work on which he had spent such an infinity of time, trouble, and solicitude.

"Watson was a great gardener. He had an unrivalled knowledge of plants, and none knew better how to cultivate them. It was in 1879 that he went to Kew, where he rose to the position of Curator, from which post he retired so recently as 1922. This is not the place to write of Watson's many attainments. Those who would learn them may find in the Gardener's Chronicle for 15th July, 1922, an account of his career and activities, written by his friend and colleague, Sir Frederick W. Moore. It is, however, the place to state that in the preparation of this work Watson gave of the very best that was in him. He brought to the task a wide knowledge of plants and a profound love of them. During the years that he laboured at Kew, discovery added many and great riches to Horticulture. Successive explorers brought home botanical and garden treasures from China and Thibet, and other parts of the world. Science contributed great stores of new knowledge, on the one hand revealing to the gardener the intricate and amazing properties of the soils with which he works, and on the other hand making plain some at all events of the laws of heredity which plants obey. With the profusion of gifts it was inevitable that some confusion should come also. Hybrids between varieties and species, increasing each year, though they may add to the beauty and interest of gardens, add also to the difficulty of the young gardener who desires, as every gardener should, to 'know his plants'.

"To sort out, describe, and appraise all this new wealth of knowledge is a task which no one who had not at once a wide knowledge of Horticulture and a deep love of it could have undertaken with success. Watson had both, and the success which he has achieved will make of this work an enduring memorial of his greatness as a gardener. It is right, therefore, that this book should be known by his name. It is true that Thompson laid the foundations of it: but it is no less true that Watson has rebuilt it, incorporating with skilled hands the new knowledge with the old, and adding ornament in the form of coloured illustration which augments not only the beauty, but also the usefulness of the work: therefore, over the portals of this treasury of Horticulture, his name is inscribed."

HORTICULTURAL TRADE CATALOGUES

For many years the U. S. Department of Agriculture has been making a collection of catalogues and other trade publications of firms and individuals engaged in the nursery and seed industries, the collection being preserved and permanently filed as a part of the Department Library. These publications are of essential service in the investigations of the Bureau of Plant Industry concerning the history, nomenclature, description and distribution of fruits, vegetables and ornamentals. The older catalogues are, however, difficult to find. Being considered ephemeral, they are generally thumbed out of existence or thrown into the waste baskets. E. A. Bunyard, the English horticulturist, has this to say of the value of these catalogues: "There are some, and indeed we have actually encountered them, who

HORTICULTURAL TRADE CATALOGUES (Cont'd)

say 'As long as I have a good garden plant I care not when or by whom it was introduced'. This is a shortsighted view. The provenance of a plant is often a fact of great value, and the date of its introduction may be of cardinal importance in tracing hybrid origins. For the historian of our craft a word too can be said. In other branches of science it is now being realized that the historical view is necessary even to those who look forward mainly to future developments. We too should know what has been done by our predecessors in building up new varieties of plants, and can learn by their failures as well as by their less frequent triumphs. A large amount of this information is contained only in the ephemeral catalogues of nurserymen, amongst whom happily there have always been many real amateurs in the French sense of the word. The catalogues of great firms like Lawson of Edinburgh, Veitch, Lemoine, etc., have more than a mere commercial interest. To them the scientific man, who now realizes that the 'varieties' of horticulture are often as important as the 'species' of the botanist, will turn for a study, it may be, of the limits of hybridization of unit characters, of variegation and the appearance of mutations. The gardener may gain useful hints as to propagation and culture, and the historian of horticulture finds in them 'original sources' of the greatest value."

The collection of these catalogues maintained in the U. S. Department of Agriculture numbers more than 26,000 and is probably the largest in the country. Some of the old catalogues go back as far as the 18th century. Assistance in the building up of the collection will be greatly appreciated. Parcels of catalogues will be very gratefully received and should be addressed to the Librarian, U. S. Department of Agriculture. If desired, franks will be sent for the forwarding of the packages.

NATIONAL ASSOCIATION OF COMMISSIONERS, SECRETARIES AND DEPARTMENTS OF AGRICULTURE

Libraries attempting to maintain a file of the annual reports of the National Association of Commissioners, Secretaries and Departments of Agriculture may be interested in the following extracts from a letter from the Assistant Commissioner of the Department of Farms and Markets of New York State:

"In reply to your letter of May 4th, in reference to the missing copies of Annual Reports of the National Association of Commissioners, Secretaries and Departments of Agriculture, I have the following to say:

"The first meeting of the Commissioners of Agriculture, at which a preliminary organization was formed, was called by Clarence J. Owens, Director General of the Southern Commercial Congress, I think in 1916. I believe that no formal report of this was made, but a bulletin was published by Congress giving a report of the conferences held by that Association on the formation of a State and National Marketing system. The system proposed was quite ingenious. It would be worth while having that report in your library, for that reason...

"A meeting was held in 1917 in New York City in connection with the Southern Commercial Congress. This was called by Clarance J. Owens. At that time, the first President of the National Association was elected, namely, Commissioner Charles S. Wilson, of the State of New York.

"A meeting of the Executive Committee was held in 1917, at Washington, but no general meeting was held, so far as I can remember.

"The fourth annual meeting was held at Baltimore, Md., in January, 1919. This was the first real meeting officially called by the President and Secretary of the Association, and at which a good attendance of the Commissioners was secured.

"The fifth annual meeting was held at Chicago, at the Auditorium Hotel. The records of this meeting were sent to C. J. Owens for publication by Congress, as was the fourth meeting, but they were never published.

"Meetings have been held each year since the sixth, but the reports have been put out in mimeographed form and not printed."

NOTES ON PERIODICALS

The editors of "Botanical Abstracts" have recently sent out the following official notice in regard to "Botanical Abstracts" and "Biological Abstracts": "Beginning with the literature of 1926, the Union of American Biological Societies will inaugurate BIOLOGICAL ABSTRACTS, the first issue to appear about July, 1926. The journal will strive to present adequate abstracts and accurate indexes of the world's literature in thoeretical and applied biology. As announced, BOTANICAL ABSTRACTS will be merged in the new journal, as will ABSTRACTS OF BACTERIOLOGY and the abstracting sections of several other journals. In order, however, that there may be no serious gap between Botanical Abstracts and Biological Abstracts, the present additional volume (Volume 15) of Botanical Abstracts is being issued to cover the literature appearing to the close of 1925, as well as to bring up the more serious arrears and omissions during the period covered by Botanical Abstracts (1919-1925). This additional volume will be kept open long enough (year or more, with issues becoming less frequent) to permit at least moderately complete accumulation of the material in question; for a time, therefore, Biological Abstracts and Botanical Abstracts will be appearing side by side, though obviously without duplication of effort. The indexes for Volumes 12, 13, and 14 (respectively Nos. 10, 12, and 12) of Botanical Abstracts are in preparation and when issued will be distributed to subscribers without further charge. All correspondence regarding subscriptions, back sets, and the index for the first ten volumes of Botanical Abstracts should be addressed to the Bueiness Manager of Botanical Abstracts, Natural Science Building, Ann Arbor, Michigan. Subscriptions to Biological Abstracts are now being entered. Address all correspondence to Biological Abstracts, University of Pennsylvania, Philadelphia, Pennsylvania."

An inquiry was recently received by the U. S. Department of Agriculture Library for information in regard to "Rural America", no reference to it having been found in N. W. Ayer & Son's American Newspaper Annual. It is a continuation of the "Country Life Bulletin" formerly issued by the American Country Life Association. The name "Rural America" was adopted with the January, 1925, issue. It continues to be the organ of the American Country Life Association, Room 1849, Grand Central Terminal Building, New York, N. Y.

NEW PERIODICALS

American

Plant physiology. Published quarterly by the American society of plant physiologists, at Lime and Green Streets, Lancaster, Pa. 4°. il. v. 1, no. 1, Jan.192 $8.00 a year.

Changed Titles

American

California poultry journal. Los Angeles. Changed to Western poultry journal with v. 13, no. 5, May, 1926.

Drug and chemical markets. New York. Separated into two periodicals with v. 19, no. 1, Drug markets (May 4, 1926) and Chemical markets (May 13, 1926).

Foreign

Scottish poultry news. Edinburgh. Changed to Stock keeper, Scottish kennel and poultry news with n. s. no. 1, Jan. 8, 1926.

EXPERIMENT STATION MAILING LISTS

The following letter from the Librarian of the Bureau of Agricultural Economics, U. S. Department of Agriculture, is additional testimony on the need for a revision of the state experiment station mailing lists: "In 'Agricultural Library Notes' for April, 1926, on page 58, we notice particularly the statement in regard to experiment station mailing lists made by the Librarian of the University of Vermont. We very much appreciate the difficulties which she has in receiving so many duplicates of the publications of the experiment stations. We, too, have had this trouble and have been trying since 1922 to have the mailing lists of the experiment stations corrected so that their publications will be sent to the Library of the Bureau of Agricultural Economics. When the Bureau of Markets and Crop Estimates was combined with the Office of Farm Management in July, 1922, to form the Bureau of Agricultural Economics, we prepared a form letter, which was sent to all of the experiment stations, asking that the old addresses be removed and the new address be substituted. In many cases the new address was added but the old addresses were not removed. We therefore sent a second form letter. Ever since that time we have tried to check up the envelopes on the experiment station publications as they were received and have from time to time written to the stations which continued to send their publications to the old addresses. In the last two weeks it has been necessary for us to send three letters asking that the old addresses be removed. We have been four years in trying to get the experiment stations to make this change, which seems to us very simple. The result of their maintaining the old addresses has been that we have received four copies of each of their publications, while one is all that is necessary for our files."

NEW LIBRARY BUILDINGS

The D. H. Hill Library Building will be dedicated at the North Carolina State College of Agriculture & Engineering, Raleigh, North Carolina, on June 7. The dedicatory exercises will take place in Pullen Hall which has previously housed the library and the new building will then be opened for inspection, followed by a dinner at 6 o'clock. The building is named for Dr. D. H. Hill, former President of the College. For more than twenty years before he became President he was head of the English Department and Chairman of the Library Committee, and it was under his devoted direction that the library of the College was founded and developed. A description of the Library building, by James R. Gulledge, Librarian, is contained in the Library Journal for April 15, 1926, page 375-377.

Word has been received from Miss Charlotte A. Baker, Librarian of the Colorado State Agricultural College at Fort Collins, that the College is planning a new library building.

AGRICULTURAL LIBRARY NOTES
A word from the Editor

AGRICULTURAL LIBRARY NOTES is the organ of agricultural libraries and was launched as a cooperative undertaking. To reach its full usefulness it must be 100 per cent cooperative. Librarians of the state agricultural colleges and experiment stations and all others who receive AGRICULTURAL LIBRARY NOTES are earnestly requested to send contributions for it. These should be received by the twenty-eighth of each month. Bibliographies, notes of bibliographies and books, items of news about your library and about your college publications, will be of much interest. Perpahs you may also have some questions you would like to ask in regard to the practices of other libraries. If so, do not hesitate to send them. The Editor would also appreciate having a word from you as to whether the material thus far included has been of value, and suggestions as to the kind of material you would particularly like to have included in future numbers.

REFERENCES ON THE INFLUENCE OF THE MOON ON VEGETATION

Compiled by
Emma B. Hawks, Associate Librarian
U. S. Department of Agriculture

Algo sobre las falsas influencias de la luna sobre la vegetacion. Rev. Agr., Com. y Trab. [Cuba] 5: 37-40. 1922.

Bailey, L. H. The man in the moon. Cornell Countryman 15: 75-76, 106. 1917.
Recounts the old beliefs in signs and comments on the fact that people are even now governed by notions and traditions rather than reason. "I would not deny that the moon exerts influence on animals and vegatation. I do not know that it does not; but this influence, if it exists, is to be determined by investigation rather than by assumption; and it certainly must be small."

_____ Moon-farming. Independent 67: 907-909. 1909.
Practically the same article as the previous one.

Barral, J. A. L'influence de la lune. Rev. Hort. [Paris] 1859: 170-171, 225-228. 1859.
Quotes Arago to the effect that the moon has no injurious effect on plants, La Quintinie, Duhamel du Monceau as denying any influence. Thinks explanation of the ancient universal belief may be that the moon was formerly the only indication of the season, and the contradictions have arisen from the differences between the modern calendars, and the old moon calendar.

Bunyard, E. A. The moon and horticulture. Garden 84: 186. 1920.
Speaks of the almost universal belief among the ancients in the moon's influence, but quotes several old writers as questioning it.

Crozier, A. A. Popular errors about plants. 169 p. Ann Arbor, [Mich.] 1891.
Planting in the moon, p. 51-65.
Enumerates the various beliefs but thinks they have no foundations.

Flammarion, C. Influences lunaires. Bul. Mens. Off. Renseig. Agr. [France] 4: 948-950, 1905; 6: 1323-1327, 1907; 9: 1264-1267, 1910. 1905-10.
Gives results each year in tables, with summary for years 1904-1909 in v. 9, for trials with a large number of garden crops. 28 cases largest yield corresponded to planting at time of new moon; 29 to planting in first quarter; 28 to time of full moon; and 27 to last quarter, there being apparently no material difference to be attributed to the influence of the moon.

Gibault, G. Les erreurs et les préjugés dans l'ancienne horticulture. Jour. Soc. Natl. Hort. France (III) 19: 248-269. 1897.
Gives an historical account of the belief in the influence of the moon.

REFERENCES ON THE INFLUENCE OF THE MOON ON VEGETATION (Cont'd)

Boudaille, F. Le soleil et l'agriculteur, avec un appendice sur la lune et les influences lunaires. 542 p. Montpellier and Paris. 1893.
"Influence des lunaisons", p. 505-528.
Enumerates in detail the beliefs held in France on the influence of the moon, and attempts some explanation of their origin. Recommends careful experimentation to prove or disprove these beliefs.

Influencia de la luna en la agricultura. Bol. Soc. Fomento, Obras Púb. y Agr. [Honduras] 3: 97-105, 167-172, 227-232, 289-291, 358-366, 436-439, 498-501. 1914.
A symposium to which the following contributed: Bernabé Salgado, Luis Landa, Enrique Nuila, Manuel Saravia, Pedro Nufio, Ernesto Fiallos V., J. Inocente Orellana, M. de Adalid Gamero, and the editor, Manuel S. López.

Kimball, H. H. Effect of the moon on vegetation. U. S. Mo. Weather Rev. 29: 215-216. 1901.
In answer to an inquiry from H. W. Collingwood, editor of the Rural New Yorker, states that he knows of no experiments bearing on this subject. Comments on the belief that the moon affects the growth of vegetables and gives quotations from old sayings and verses.

Meunissier, A. Influence de la lune sur la végétation. Jour. Soc. Natl. Hort. France (IV) 26: 138-140. 1925.
Extrait des discussions ayant eu lieu au sujet de la question posée par le Dr. Cantenot. None of those discussing the matter had observed any influence of the moon.

Ollech, von Ueber den einfluss des mondes auf die vegetation. Gartenwelt 14: 213-214. 1910.
Various crops planted in new moon, first quarter, full moon and last quarter showed slight variation in yield in favor of full moon planting. It is pointed out that the variation may have been due to other factors.

Pile, A. Influence supposée de la lune sur la végétation. Bul. Soc. Hort. Tunisie 17: 42-47. 1919.
Writer does not place credence in traditions about influence of moon.

Raoult. Influence de la lune sur la végétation. Rev. Hort. [Paris] 53: 299-300. 1881.
Writer suggests an explanation of the moon's influence and recommends experiments. The editor of the journal adds comments along the same line.

Semmens, E. S. Effect of moonlight on the germination of seeds. Nature 111: 49-50, 1923.
Experiments showed that the seeds germinated more quickly in moonlight, and the writer is investigating the effect of polarized light, since at certain periods moonlight is plane polarized.

Slosson, E. E. Is it moonshine? Sci. News-Letter 5 (186): 1-3. 1924.
Account of Miss Semmens' investigations.

Talman, C. F. Moon farming. Sci. Amer. 108: 471. 1913.
Comments on the history of prevalent beliefs in the influence of the moon.

MIMEOGRAPHED LISTS OF THE OFFICE OF AGRICULTURAL INSTRUCTION

The aim of the Office of Agricultural Instruction of the U. S. Department of Agriculture is to encourage the teaching of agriculture and home economics in secondary and elementary schools. It also aims "to make available to teachers and students material for school work derived from the enormous amount of information accumulated from time to time by the U. S. Department of Agriculture and the state agricultural colleges and experiment stations". In connection with this work it prepares various classified lists of publications and lists of lantern slides, maps, charts, photographs, etc. Following is a list of the various lists which, while prepared particularly for the use of teachers, will also be of interest to agricultural librarians. Copies of these lists may be obtained from the Office of Agricultural Instruction.

Agricultural and vocational education. 3 p.
Professional books for agricultural teachers. 4 p.
Rural education. 2 p.
Rural engineering, farm shop work and manual arts. 4 p.

Texts and references for secondary schools:
- General agriculture. 1 p.
- General science. 2 p.
- Laboratory manuals in agriculture. 2 p.
- Agricultural science. 2 p.
- Agronomy. 3 p.
- Animal husbandry. 3 p.
- Dairy husbandry. 4 p.
- Economic entomology. 1 p.
- Farm management. 2 p.
- Floriculture and landscape gardening. 1 p.
- Home economics. 4 p.
- Horticulture. 3 p.
- Poultry husbandry. 1 p.
- Vegetable gardening. 2 p.

Publications of the U.S.Department of Agriculture classified for teachers:
- Agricultural education. 4 p.
- Agronomy. 15 p.
- Animal husbandry. 7 p.
- Birds and other animals. 3 p.
- Dairying. 4 p.
- Farm management. 8 p.
- Home economics. 4 p.
- Horticulture. 9 p.
- Rural engineering. 5 p.

Miscellaneous:
- Dealers in school laboratory aquipment and supplies. 2 p.
- Sources of exhibits, models and other illustrative material. 4 p.
- Sources of maps, charts, photographs and prints. 6 p.
- Lantern slides. 7 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during May, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Alabama; an index to the state official sources of agricultural statistics. Compiled by Margaret T. Olcott, Assistant Librarian, under the direction of Mary G. Lacy, Librarian. 1926. 96 p. (Agricultural Economics Bibliography no. 15)

The economic limits of cost of water for irrigation, Rio Grande project, New Mexico. By R. P. Teele ... and Paul A. Ewing ... A preliminary report ... 1926. 20 p.
Issued by the Bureau of agricultural economics and the Bureau of public roads.

An economic study of the costs and methods of range cattle production on forty-one ranges in plains and mountain areas of Colorado, 1923. By G. S. Klemmedson ... Martin Reinholt ... and V. V. Parr ... A preliminary report. 1926. 54 p.
Issued by the Bureau of agricultural economics and the Bureau of animal industry cooperating with the Colorado agricultural experiment station.

Factors affecting prices, a selected bibliography, including some references to the theory and practice of price analysis. Compiled by Louise O. Bercaw, under the direction of Mary G. Lacy, Librarian. 1926. 39 p.

Findings of the peach survey in Georgia. By M. R. Cooper ... [1926] 9 p.
Address delivered at the Nineteenth annual farmers' week, Georgia state college of agriculture, Athens, Ga., January 28, 1926. (Issued by Division of farm management and costs.)

Living conditions and family living in farm homes of Merrimack county, New Hampshire. By E. L. Kirkpatrick ... and Daisy Deane Williamson ... A preliminary report. 1926. 18 p.
Issued by the Bureau of agricultural economics in cooperation with the University of New Hampshire, Agricultural extension service.

Production and carry-over of fruit and vegetable containers for the year 1925. Compiled by Cecile K. Linn ... 1926. 39 p. (Issued by Division of fruits and vegetables.)

Bureau of Animal Industry

Range sheep experiments. A report of progress for the U. S. sheep experiment station, Dubois, Idaho. May, 1926. 6 p.
Issued by the Bureau of animal industry and the Forest service.

Bureau of Biological Survey

Publications on fur and fur animals for free distribution by the Department of Agriculture. 1926. 2 p. (Bi-366)

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*For a list of the principal serial publications issued regularly see the January, 1926, issued of AGRICULTURAL LIBRARY NOTES, p. 10-14.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Comt'd)

Bureau of Chemistry

Publications of carbohydrate laboratory (1920 to date). 1926. 3 p.

Extension Service

The extension ladder. The principles of salesmanship applied to extension. [By] William A. Lloyd ... 1926. 14 p. (Extension service circular 2) (Issued by Office of cooperative extension work)

Methods of extension teaching. A brief analysis and outline of procedure to guide extension agents in planning work. [By] H. W. Hochbaum ... 1926. 6 p. (Extension service circular 3) (Issued by Office of cooperative extension work)

Club data from extension studies. [By] M. C. Wilson ... 1926. 9 p. (Extension service circular 4) (Issued by Office of cooperative extension work)

The effect of weather conditions on percentage of moisture in market corn. [By] O. S. Fisher ... 1926. 10 p. (Extension service circular 5) (Issued by Office of cooperative extension work)

Objectives, methods, and results of home demonstration work. [By] Grace E. Frysinger. ... 1926. 6 p. (Extension service circular 5) (Issued by Office of cooperative extension work)

Junior poultry clubs. Excerpts from 1924 annual reports of state and county extension agents. Compiled by M. C. Wilson. 1926. 21 p. (Extension service circular 7) (Issued by Office of cooperative extension work)

Lantern slide service for extension workers. April 15, 1926. 17 p. (Issued by Office of cooperative extension work)

Bureau of Home Economics

Vitamins A, B, and C in foods. [By] Sybil L. Smith ... 1926. 8 p.
"The accompanying table of the distribution of vitamins A, B, and C in food materials is a revision and extension of the table in the monograph of the American chemical society entitled 'The Vitamins'."

Bureau of Plant Industry

The production and value of white pine and other woods in Rhode Island in 1924. By O. C. Anderson ... 1926. 21 p.
Issued by the Bureau of Plant Industry in cooperation with the Rhode Island State department of agriculture.

Bureau of Public Roads

Drainage publications of the Bureau of public roads ... April, 1926. 2 p.

The economics of highway transportation. By Henry R. Trumbower ... [1926?] 25 p.

Irrigation publications of the Bureau of public roads ... 1926. 3 p.

DUPLICATES AVAILABLE FOR EXCHANGE

The Library of the U. S. Department of Agriculture has many duplicates of the following serials. From lack of assistance it is impossible to make a list of the volumes and numbers which we have of each title. However, if libraries will send us a list of any numbers of these serials which they lack, we will send such as are available. For the most part the numbers are comparatively recent.

Mexican Publications

Agricultor mexicano y hogar. Monthly.
El Agricultor. Organo de la Camara Agricola de Yucatan.
El Amigo del campo. Semi-monthly.
Camara agricola nacional de la comarca lagunera. Boletin.
Camara agricola nacional de Leon. Boletin.
Camara agricola nacional de Puebla. Boletin. Monthly.
Camara agricola nacional jalisciense. Boletin. Monthly.
Mexico - Agricultura y fomento, Ministero de. Boletin oficial.
Mexico - Agricultura y fomento, Secretaria de - Agricultura, Dirección de. Boletin.
Mexico - Agricultura y fomento en Sinaloa y Nayarit, Agencia general de. Boletin oficial de la Agencia general de agricultura y fomento en Sinaloa y Nayarit, y de la Comision catastral y de estudia de los recursos natrales de Sinaloa.
Mexico - Fomento, Secretaria de. Informes y documentos relativos a comercio interior y exterior agricultura, minerio e industrias.
Mexico - Fomento, colonización é industria, Ministerio de. Boletin.
Mexico - Fomento, colonización e industria, Ministerio de - Agricultura, Dirección de. Boletin ... Parte II. Revista de economía rural y sociologia. Monthly.
Mexico - Fomento, colonización é industria, Ministerio de - Agricultura, Dirección de. Boletin de consultas sobre agricultura, ganaderia e industrias rurales.
La Revista agricola. Semi-monthly.
Yucatan (State) - Agricultura, Departamento de. Boletin.

Cuban Publications

Agricultura; revista mensual.
Agricultura y zootecnia; revista mensual.
Agriculture, a monthly review.
"Modern Cuba" magazine. Monthly
Revista de agricultura, comercio y trabajo; organ oficial. Monthly.

Porto Rican Publications

Agricultural college weekly, a school magazine for the teachers of Porto Rico.
Porto Rico - Agriculture, Board of commissioners of. Report.
Porto Rico - Agriculture and labor, Dept. of. Boletin.
Porto Rico - Agriculture and labor, Dept. of. Journal.
Puerto Rico agrícola e industrial; revista mensual ilustrada.
Revista de agricultura...mensual.
Revista de agricultura de Puerto Rico. Monthly.

British West Indies Publications

Agricultural journal of the Leeward Islands.
Agricultural news. Barbados.
Agricultural society of Trinidad and Tobago. Proceedings.

DUPLICATES AVAILABLE FOR EXCHANGE (Cont'd)

British West Indies Publications (Cont'd)

Jamaica agricultural society. Journal. Monthly.
Jamaica agricultural society. Report of the half-year general meeting.
Jamaica - Agriculture, Dept. of. Bulletin.
Trinidad - Agriculture, Dept. of. Annual report.
Trinidad - Agriculture, Dept. of. Bulletin of the Department of Agriculture, Trinidad and Tobago.
Trinidad - Agriculture, Dept. of. Circular.
The West India committee circular, the official organ of the West India committee. By-weekly.
West Indian Bulletin.
West Indies (British) - Agriculture, Imperial department of. Pamphlet series.

Central American Publications

Boletin de agricultura, ciencias industriales, economia domestica. San Salvador.
Boletin de agricultura, industria y comercio de Guatemala. Monthly.
Camara de agricultura de Costa Rica. Boletin.
Costa Rica - Agricultura, Departamento de ... Publicaciones.
Costa Rica - Fomento, Ministerio de. Boletin de fomento.
Dominican Republic - Agricultura e inmigracion, Ministerio de - Agricultura, Direccion general de. Boletin.
Dominican Republic - Agricultura e inmigracion, Ministerio de - Agricultura, Direccion general de. Circular.
Dominican Republic - Agricultura e inmigracion, Ministerio de - Agricultura, Direccion general de. Vulgarizacion agricola.
Guatemala - Agricultura, Direccion general de. Boletin popular. Monthly.
Guatemala - Fomento, Ministerio de. Boletin de agricultura.
Revista de agricultura tropical. Monthly. San Salvador.
Salvador - Agriculture, Direccion general de. Boletin.
Sociedad nacional de agricultura. [Costa Rica] Boletin.

Bermuda Publications

Bermuda - Agriculture, Board of. Report.

South American Publications

Argentine Republic

Argentine Republic - Agricultura, Ministerio de. Anales.
Argentine Republic - Agricultura, Ministerio de. Boletin.
Argentine Republic - Agricultura, Ministerio de - Ensenanza agricola, Division de. [Publications]
Argentine Republic - Agricultura, Ministerio de - Propaganda e informes, Seccion de. Circular.
Buenos Aires (City) Museo Agricola. Publicación.
Buenos Aires (Province) - Obras públicas, Ministerio de - Agricultura, Dirección de. Boletin de agricultura. Monthly.
Entre Rios, (Province) - Agricultura, Departamento de. Memoria.
Ferro carril Buenos Aires al Pacifico - Agricultura, Oficina de. Folleto.
Ferro carril sud - Seccion de fomento rural. Folleto.

DUPLICATES AVAILABLE FOR EXCHANGE (Cont'd)

South American Publications (Cont'd)

Argentine Republic (Cont'd)

"La Mutual". Memoria y balance general.
La Plata, Universidad nacional de - Facultad de agronomía. Revista.
Revista de revistas. Monthly.
Revista mensual B. A. P.
Revista zootecnia. Monthly.
Sociedad rural Argentina. Anales. Monthly.
Sociedad rural Argentina. Memoria.
Sociedad rural de Rosario. Revista.
Tucuman - Estacion experimental agricola. Revista industrial y agricola de Tucuman. Monthly.

Bolivia

Bolivia - Colonizacion y agricultua, Ministerio de. Revista.

Brazil

Almanak agricola Brazileiro. 1st-10th.
Bahia (State) - Agricultura, industria, commercio, viacao e obras publicas, Secretaria da. Boletim.
Brazil - Agricultura, industria e commercio, Ministerio da - Informacoes e divulgacao, Servico de. Boletim.
Brazil - Agricultura, industria e commercio, Ministerio da - Inspeccao e defesa agricolas, Servico de. Instruccoes populares sobre as principaes molestias e pragas.
Brazil - Agricultura, industria e commercio, Ministerio da - Inspeccao e fomento agricolas, Servico de. Boletim.
Brazil - Agricultura, industria e commercio, Ministerio da - Inspeccao e fomento agricolas, Servico de. Estudo dos factores da producao nos municipios brasileiros e condicoes economicas de cada um.
Brazil - Viacao e obras publicas, Ministerio da - Inspectoria de obras contra as seccas. Publicacao.
Chacaras e quintaes, conselhos praticos sobre todos os trabalhos agricolas. Monthly.
O criador paulista publicacao official da Secretaria da agricultura do Estado de Sao Paulo.
Jornal da lavoura.
A lavoura, boletim da Sociedade nacional de agricultura [Brazileira]. Monthly.
Sao Paulo (State) - Agricultura, commercio e obras publicas, Secretaria de. Boletim da agricultura.
Sao Paulo (State) - Instituto agronomica campinas. Boletim. Monthly.

Chile

Sociedad agronómica de Chile. Anales.
Sociedad agronómica de Chile. Boletin extraordinario.
Sociedad agronómica de Chile. Memoria anual.
Sociedad nacional de agricultura de Chile. Boletin.
Sociedad nacional de agricultura de Chile. Memoria, 1912/13.

DUPLICATES AVAILABLE FOR EXCHANGE (Cont'd)

South American Publications (Cont'd)

Colombia

Colombia - Agricultura y comercio, Ministerio de. Memoria.
Colombia - Agricultura y comercio, Ministerio de. Revista agricola. Monthly.
Revista nacional de agricultura.

Ecuador

Asociación de agricultoras del Ecuador. Boletin.

Guiana

British Guiana - Agriculture, Board of. Journal. Quarterly.
British Guiana - Agriculture, Board of. Report.
British Guiana - Science and agriculture, Dept. of. Report.
Dutch Guiana - Landbouw, Departement van. Boletin.
Dutch Guiana - Landbouw, Departement van. Verslag.

Paraguay

Paraguay - Agricultura y defensa agricola, Direccion de. Boletin.
Paraguay - Agricultura y defensa agricola, Direccion de. Circular.

Peru

La Agricultura; revista mensual ilustrada.

Uruguay

Asociación rural del Uruguay. Revista ...
Federación rural. Revista ... Monthly.
Uruguay - Comision nacional de fomento rural. Boletin.
Uruguay - Industrias, Ministerio de - Ganaderia y agricultura, Inspección de. Boletin.

Venezuela

Venezuela - Fomento, Ministerio de. Boletin ...

Canadian Publications

British Columbia - Agriculture, Dept. of. The agricultural journal. 1920-22. (Incomplete)
Canadian farmer, dairyman and stockbreeder. 1923. (Incomplete)
Farmers' advocate and home journal. 1924. (Incomplete)
International institute of agriculture - Canadian commissioner. Bulletin of foreign agricultural intelligence. V. 6, 1916.
Scientific agriculture; la Revue agronomique canadienne. Monthly. 1922-24.
Western gardener and beekeeper. The western poultryman. Monthly. V. 3-6, 1922-25. (Incomplete)

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS.

Vol. 1, No. 6. June, 1926.

A NOTABLE CONTRIBUTION TO AGRICULTURAL BIBLIOGRAPHY

The Rothamsted Experimental Station Library, Harpenden, England, has recently issued a "Catalogue of the printed books on agriculture published between 1471 and 1840" which are contained in the Library. The catalogue was prepared by the Librarian, Miss Mary S. Aslin, and is a volume of 331 pages of which 246 are devoted to English authors and translations, and the remaining 85 pages to foreign authors and translations. In the case of both the English and the foreign works, there is an alphabetical list of authors and a chronological list. The chronological list of foreign authors is subdivided by country. There is also a list of incunabula, of which the Library possesses nine. The chronological list of the works relating to North America is not extensive, numbering only eighteen. Next to the list of English works, the list of Italian works is most extensive. There are twenty-two interesting illustrations of title pages, leaves, etc. Notes by Miss Aslin on the authors and the books are interspersed throughout the catalogue and add much to its interest. For example, in the chronological list of English works, it is pointed out that Tusser's "Five Hundreth Points of Good Husbandry", 1573, contains the first mention of turnips, that Reynold Scot's "A Perfite Platforme of a Hoppe Garden", 1574, is the first book on hops, that Prudens Choiselat's "A Discourse of Housebandrie", 1580, is the first book on poultry, and that Thomas Hill's "The Arte of Gardening" is the first on that subject. The first books on bees, drainage, and irrigation, the first mention of lucerne, and the first attempt to found a scientific agricultural journal are also noted. Following is an extract from the interesting "Foreword" to the catalogue by Dr. E. J. Russell, Director of the Rothamsted Experimental Station:

"In the following pages Miss Aslin has listed the printed books on agriculture contained in the Rothamsted Library which were published during the period 1471-1840. It was necessary to stop there, because the total number published up to the present time is too great to be contained in one volume. The division at 1840 is logically and historically sound. Both 1471 and 1840 were turning-points in the long history of agriculture. It was in 1471 that the first printed book on agriculture - Crescentius' well-known treatise - was sent out from Augsburg; prior to that there were only manuscripts which never can have been common and now are very rare. At first even the printed books can hardly have been popular; they must always have been costly. The Augsburg volume is a magnificent folio printed from beautiful type with elaborate capital letters drawn and gorgeously coloured by hand. Through the generosity of Lord Elvedon and the enterprise of Messrs. Quaritch a perfect copy was obtained for Rothamsted. For the next fifty years the agricultural books were of the same order of magnificence; all show the rich craftsmanship of renaissance times. After Augsburg, Italy led the way in early agricultural publications. The first English book, Fitzherbert, was not published till 1523, and the first book in French (apart from translations) did not come till 1564. The Rothamsted library does not possess first editions of either of these, though it has some very early ones, including an edition of Fitzherbert not known to exist elsewhere, and apparently earlier than the 1534 edition.

A NOTABLE CONTRIBUTION TO AGRICULTURAL BIBLIOGRAPHY (Cont'd)

"The year 1840 marks a definite stage in agricultural history. Up till then agriculture and agricultural books were almost exclusively empirical. Fortunately, however, not entirely; all through one finds writers who strove to get beyond the empirical facts and to discover the underlying principles. Their efforts, small and disconnected at first, can be traced like a growing stream throughout the long period to the closing forty years in which were crowded the achievements of the Geneva School of plant physiologists: de Saussure, Senebier, and others; the application of chemistry to agriculture by the English chemist Davy; the wider application of science to farm problems, and, still more important, the development of experimental methods of studying agricultural problems by the founder of modern agricultural science, Boussingault. Finally, with dramatic suddenness all this work burst into fruition when, in 1840, Liebig brought together the results of the earlier workers and deduced from them the simple laws of husbandry with which his name will always be associated; at the same time Lawes made the pot experiments which, within the next three years, were to lead to the founding both of the Rothamsted Experimental Station and of the artificial fertilizer industry. Up to 1840 agriculture had been based on empirical rules; after 1840 it was developed on scientific principles.

"This catalogue, therefore, covers the empirical period in agriculture. The volumes listed here contain the lore and the wisdom of the old farmers, always held in high respect in the countryside. More important still, in these books can be traced the origin and development of ideas and practices which have been handed down from bygone days to our own times. 'No idea,' said Comte, 'can be properly understood apart from its history;' certainly the countryman's ideas and practices cannot. They have their roots deep down in the past, and they can be adequately known and appreciated only when their history is known."

RURAL HOME LIBRARIES

"Rural Home Libraries", by Prof. Joseph Schafer, an article in the Wisconsin Library Bulletin for June, 1926, notes the improvement which has taken place in the past forty years in the farm supply of reading matter. "A number of influences", he says, "have cooperated to bring about the great change... But, unquestionably, the operation of local, school, county, and traveling libraries is the chief influence which has made the farmer discontented with the intellectual blockade which he once regarded as a fateful concomitant of his occupation. Becoming familiar with the resources of the nearest libraries, borrowing from the local school library, the traveling libraries or from those at the library centers, the farmer has developed the reading habit possibly beyond persons of similar training who live in the midst of the city's external excitements. And the reading habit impels him to buy books as well as borrow, it suggests half a dozen magazines as against the single farm paper of forty years ago. It is sowing small libraries broadcast all over the rural areas of the state."

LIBRARY ACCESSIONS IN OFFICIAL RECORD

How useful do you find the list of "Principal Library Accessions" which appears in each number of the "Official Record" of the U. S. Department of Agriculture? Do you wish to have it continued? We should appreciate statements from readers and libraries concerning the value of this list as its discontinuance is being considered.

NOTES ON BOOKS AND BIBLIOGRAPHIES

"Opportunities for Graduates in Agricultural Economics", by C. E. Allred, Head of the Department of Agricultural Economics, University of Tennessee, and "Opportunities for the Agricultural Graduate in the Agronomic Field", by O. W. Dynes, Professor of Agronomy, University of Tennessee, are the titles of two articles in "The Tennessee Farmer" for June, 1926, which will be helpful to librarians having occasion to look up these subjects. Another helpful article along the same line entitled "Opportunities for Farm Boys in Agriculture", by A. W. Gibson, is contained in "Farm Economics", no. 31, Feb. 6, 1926, a publication issued by the Department of Agricultural Economics & Farm Management, New York State College of Agriculture. The article gives a table showing the percentage of men in occupations followed by the farm-reared graduates from the New York State College of Agriculture, at three periods representing quite different conditions and opportunities for farmers, namely, 1910-1914, 1917-1921, and 1922-1925.

The fourth edition of "The Practical Use of Books and Libraries", by Gilbert O. Ward, has recently been issued by the F. W. Faxon Co., Boston. It is an elementary manual, covering structure and care of books, arrangement of books in libraries, card catalog, reference books, magazines and indexes, reference works, bibliographies, debating, and book buying.

"Die Chinesische Landwirtschaft", by Dr. Wilhelm Wagner, a comprehensive German work of 668 pages, has recently been issued by Paul Parey, Berlin. The author was formerly professor of agriculture at the German-Chinese University, Tsingtau, China. A bibliography of the most important literature consulted by the author, consisting of 214 references, is contained on pages 661-668. There are numerous illustrations in the text and two maps.

"L'Evolution de l'Ornithologie", by Maurice Boubier, published in Paris, in 1925, contains much biographical material regarding ornithologists and is also largely bibliographical in character.

"The Design of Small Properties, a Book for the Home-Owner in City and Country", by M. E. Bottomley, landscape architect, is an interesting recent addition to the Rural Science Series.

"Agricultural Journalism", by Nelson A. Crawford, Director of Information of the U. S. Department of Agriculture, has recently been published by Alfred A. Knopf, New York.

"Die Zeitgemässe Grunfutterkonservierung", by L. F. Kuchler, published this year by F. P. Datterer, Munich, contains a bibliography on silos and ensilage on pages 447-462.

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DALRYMPLE LIBRARY

"Mrs. W. H. Dalrymple has given to the Louisiana State University the entire scientific library of the late Dr. Dalrymple, consisting of about two hundred volumes on the subjects of feeds and feeding, pathology, bacteriology and sanitation. The collection will be known as the Dalrymple Library, to be used for reference purposes by the students of the University, particularly those pursuing agriculture." - American Veterinary Medical Association, Journal.

AGRICULTURAL LIBRARIES SECTION MEETING

Miss Lucy M. Lewis (Librarian of the Oregon Agricultural College), who is Chairman this year of the Agricultural Libraries Section of the American Library Association, has asked for a vote of the agricultural librarians on the desirability of an extra session of the Section in Washington at the U. S. Department of Agriculture, either on October second or just following the conference, on October ninth or eleventh. The regular session is scheduled for Thursday morning, October seventh, at Atlantic City. Please write Miss Lewis at once, stating whether or not you would be interested in this extra session in Washington, whether or not you would probably be able to attend the meeting, and the date you would prefer.

REVISED EDITIONS OF NUMBERED BULLETINS

Miss Margaret Gallaway, Librarian of the Agricultural Library, University of Arkansas, has asked for information as to how other libraries handle revised editions of numbered bulletins. This has always been a troublesome question in the U. S. Department of Agriculture Library and an entirely satisfactory solution has not yet been found. The practice at present in caring for revised editions, in case the earlier editions have been bound, is to have the revised editions laced into binders, several in a binder, arranged numerically and labeled on the outside as revised editions. These binders are placed at the end of the bound set. We think it would be well, although this Library has not done it thus far, to attach a slip to the first edition calling attention to the fact that a revised edition has been issued. If the volume containing the first edition of any bulletin should have to be rebound, we would, of course, bind in the revised edition.

In sending her inquiry, Miss Gallaway said that in her library she has to keep several files of unbound bulletins and in looking up material for readers she frequently has to take one bulletin from one file, another from a second file, and so on. Then in replacing them she had to remember in which file the bulletin belonged. Finally she tried putting various colored tiny round labels on them - gold ones on one file, red ones on another, etc. She found this very helpful and suggests that other libraries may be glad of the solution. In lieu of labels it would, of course, be possible to use some arbitrary mark, either by pen or rubber stamp.

In further reference to the filing and binding of revised editions of bulletins, it may be of interest to libraries to know the present policy of the U. S. Department of Agriculture in assigning numbers to revised bulletins. Following is an extract from a letter from the Office of Publications of the Department explaining the policy: "Our present plan in connection with the revision and reprinting of Department publications is to make no change in title or number when there is no essential change or modification of the text. Correction of typographical errors, the substitution of a new title page in a Farmers' Bulletin, and the addition of the organization list of the Department may be made and it is not considered as a revision. When changes consist simply in bringing the information up to date and when the text matter remains practically the same, the old number and title are retained but the publication contains the line 'Revised 192_.' When a fundamental or material change is made in the text or the publication is rewritten, a new number or a new title and number are assigned and a suitable statement is made that it 'supersedes' the publication which it replaces."

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"Books for a Farm Community Library; One Hundred Books That May Well Be Included in Any Rural Library" is the title of an interesting article by Donald R. Murphy in Wallace's Farmer for June 18, 1926.

PROGRESS REPORT ON THE INDEXES TO THE STATE OFFICIAL SOURCES OF AGRICULTURAL STATISTICS

In the last issue of AGRICULTURAL LIBRARY NOTES it was stated that the first of the indexes to the State Official Sources of Agricultural Statistics (that for Alabama) had been sent out to the states, with a request for comment and criticism. Since that time Miss Mary G. Lacy, Librarian of the Bureau of Agricultural Economics, under whose direction the indexes are being prepared, has received letters from more than half of the states and from Canada, expressing interest in the undertaking and in a number of cases the wish has been expressed that the correspondent's state might "be done next". Idaho, Colorado and Florida have written to ask about the best method of helping in the work. Oregon had hoped to be able to send some one this summer but was unable to finance it at this time. As stated last month, the California Index is well under way. The only other state, however, which has taken definite steps to procure for itself the immediate compiling of the Index to its own statistics is Oklahoma. President Knapp, of the Oklahoma Agricultural and Mechanical College, has arranged to have Miss Icelle Wright, the Assistant Librarian, come to Washington to work in the library of the Bureau of Agricultural Economics during July and August. Miss Wright will be joined the first of August by Miss Margaret Walters, Reference Librarian of the same institutiom, who will work during August, helping Miss Wright on the Index. Miss Wright and Miss Walters are giving their vacation period to the work. Mrs. Elsie D. Hand, the Librarian, is aiding the work in every possible way.

In an address made before the American Farm Economic Association in New York in January, 1926, Mr. W. A. Lloyd, Regional Agent in Charge, Western States Extension Service, U. S. Department of Agriculture, made the following statement: "We need some sort of statistical clearing house. Statistics of all kinds are being collected and surveys made covering almost every subject and human relation. These efforts are being made by both public and private agencies. Much of the value of the effort is lost because those who need to profit by the material do not know of it, and those who make the surveys do not use it. New and costly projects are started to develop fields already exploited. Often in our program-making efforts we have come to what appeared to be a great void and afterwards and purely by accident have found just the statistical data needed. In this the right hand not only does not know what the left hand is doing, but the fingers of each hand appear to work independently. What I have in mind is something in the nature of a statistical bibliography. If being educated is simply knowing where to find information when it is needed, then some of us must often admit ignorance."

Mr. Lloyd in a recent letter to Miss Lacy wrote in part as follows: "I quite appreciate the large order you have undertaken. I only wish your resources were such that it could be pushed to an early conclusion. We are in need of these source books right now in a number of western states and our work is held back and handicapped because we do not have them. If I were to mention them in order of need I would say Montana, California, Washington, Oregon, Colorado, Idaho, Nevada, Utah, New Mexico, Arizona, and Wyoming. I am glad to know that California is well along. ... I note you state that several of the states have asked that their source books be made 'next'. I assume you will have to follow some more or less established rule of precedence. I do not believe any part of the country has gone as far in the development of its facts as a basis of program making as the West. I can quite well forecast that upon the receipt of this publication by our western states you will have several more who will want to be made first."

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during June, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Average expenditures for household furnishings and equipment purchased by farm families. Household furnishings and equipment purchased in one year by 1299 farm families of selected localities of Ohio, Kentucky, Missouri and Kansas. A preliminary report. [By E. L. Kirkpatrick] 1926. 14 p.
Issued by the Bureaus of agricultural economics and home economics and the Ohio Wesleyan university, the University of Kentucky, the University of Missouri, the Kansas state agricultural college, and The Farmer's wife, co-operating.

The commercial fresh peach industry in the United States. A preliminary report. By J. W. Park ... and Carl R. Swinson ... 1926. 61 p.
Issued by Division of fruits and vegetables in co-operation with state and local agencies.

Compilation relating to uses and products made of corn. Supplement to USGSA-GI-31. By C. Louise Phillips ... and E. G. Boerner ... 1926. 36 p. (Issued by Grain investigations)

Proceedings of the hearings on the proposed numerical standards for wool and top. 1926. 14 p.

Reprint

An outline of the market news service on livestock, meats and wool. 1925. 20 p. (Issued by Marketing livestock, meats and wool division)

Bureau of Animal Industry

Side-lights on tuberculosis eradication. Information for workers engaged in cooperative tuberculosis eradication. May, 1926. 15 p. (Issued by Tuberculosis eradication division)

Bureau of Biological Survey

Breeders and purchasers of guinea pigs. [Washington] 1926. 7 p. (Bi-887)

Breeders of fancy rabbits. [Washington] 1926. 11 p. (Bi-880)

Breeders of utility rabbits. [Washington] 1926. 40 p. (Bi-881)

Poisonous snakes of the United States. 1925. 13 p. (Bi-571)

Publications of the Bureau of biological survey available for general distribution. 1926. 4 p. (Bi-161)

Bureau of Chemistry

Reprint

A summary of our present knowledge of vitamins. By D. B. Jones. [1925] 12 p. (Issued by Protein investigation laboratory)

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*For a list of the principal serial publications issued regularly see the January, 1926, issue of AGRICULTURAL LIBRARY NOTES, p. 10-14.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Entomology

Publications of the Bureau of entomology ... available for free distribution. Rev. to June 1, 1926. 1926. 7 p. (E-24)

Extension Service

Copper-carbonate treatment for stinking smut of wheat. Excerpts from 1925 annual reports of county extension agents. [By] F. C. Meier ... and M. C. Wilson ... 1926. 21 p. (Brief no. 35, rev.)
Issued by Office of co-operative extension work in agriculture and home economics ... and State agricultural colleges co-operating.

Reprints

Development of local volunteer leadership. [By] Gertrude L. Warren. 1925. 25 p. (Issued by Office of cooperative extension work)

Organization of bread club demonstrations. [By] Gertrude L. Warren. Rev. Feb. 1[illegible], 1923. 15 p. (Issued by Office of cooperative extension work)

Organization of canning club demonstrations with boys and girls. [By] Gertrude L. Warren. Rev. Feb. 15, 1923. 25 p. (Issued by Office of cooperative extension work)

Organization of clothing club demonstrations. [By] Gertrude L. Warren. 1923. 26 p. (Issued by Office of cooperative extension work)

Organization of food club demonstrations. [By] Gertrude L. Warren. 1923. 18 p. (Issued by Office of cooperative extension service)

Federal Horticultural Board

Report of public hearing to consider the advisability of quarantining the state of Arizona on account of the Thurberia weevil. Held by the Federal horticultural board ... June 1, 1926. [Washington] 1926. 56 p.

Forest Service

Manual for forest development roads and minor roads. 1926. 195 p.

Bureau of Home Economics

Home methods of mending china and bleaching porcelain. [By] C. F. Langworthy. 1926. 8 p.

Summary of food surveys made in the United States. [By] Edith Hawley. 1926. 1 p. and 3 fold. tables.

Bureau of Plant Industry

A brief report of the barberry eradication campaign in South Dakota, 1925. By Raymond O. Bulger ... [Washington, 1926] 7 p. (Issued by Office of cereal crops and diseases)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Plant Industry (Cont'd)

Growing cucumbers for pickling. By James H. Beattie. [1926] 6 p. (Issued by Office of horticulture)

Public hearing. Seed importation act. May 27, 1926. 72 p.

The tung-oil tree. By R. A. Young. [1926] 2 p. (Issued by Office of foreign plant introduction)

Weather Bureau

Minutes of conference of Weather bureau officials and representatives of co-operating agencies on the organization of a fire-weather warning service. Called by the Chief of the Weather bureau April 14, 1926, at the Weather bureau office, U. S. Custom house, Portland, Oregon. [Washington, 1926] 15 p.

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NOTES ON PERIODICALS

New periodicals

American

Poland China advocate. 12 E. Franklin St., Shelbyville, Ind. mo. 4° il. v. 1, no. 1, June, 1926. $.50 a year.

Foreign

Notiziario chimico-industriale; rivista internazionale di chimica. Via Ospedale, 20, Torino, Italy. mo. f°. il. anno 1, no. 1, Jan. 1926. L. 140 a year.

Changed titles

American

Farm implements and tractors. Minneapolis. Changed to Northwest farm equipment journal with v. 40, no. 6, June 1, 1926.

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POSITIONS OFFERED

In one of the southern agricultural college libraries there is a vacancy in the position of library assistant. The salary is $1500. The cost of living is reasonable.

At one of the eastern agricultural college libraries there is a vacancy in the position of head cataloguer. The salary is $2400.

The library of an eastern business firm wants a librarian who is familiar with chemical literature and able to translate and index technical French and German material. The salary is $2400.

Applications for any of the positions described above may be sent to the Librarian of the U. S. Department of Agriculture who will forward them to the libraries concerned.

Agr. Lib. Notes, V. 1, No. 6, Suppl. 1926.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH
Exclusive of Publications on Diseases and Pests and Publications of the State Experiment Stations.

Compiled by
Emma B. Hawks, Associate Librarian,
U. S. Department of Agriculture.

I. Books and Pamphlets

Balls, W. L. The cotton plant in Egypt, studies in physiology and genetics. 202 p. London. Macmillan & co., ltd. 1912.

_____ Development and properties of raw cotton. 221 p. London. A. & C. Black, ltd. 1915.

_____ Handbook of spinning tests for cotton growers. 59 p. London. Macmillan & co , ltd. 1920.

Bigwood, G. Cotton. 203 p. London. Constable & co. New York. Henry Holt & co. 1918.

Bowman, F. H. Structure of the cotton fibre in its relation to technical applications. 470 p. London. Macmillan & co., ltd. 1908.

British Cotton Industry Research Association. Shirley Institute. Memoirs. v. 1-3. Didsbury and Manchester. 1922-24.

Brooks, C. P. Cotton: its uses, varieties, fibre structure, cultivation, and preparation for the market and as an article of commerce, also the manufacture of cottonseed oil, cottonseed meal, and fertilizer. 384 p. New York. Spon & Chamberlain. 1898.

Brooks, E. C. The story of cotton and the development of the cotton states. 370 p. Chicago, New York [etc.] Rand, McNally & co. 1911.

Burkett, C. W. and Poe, C. H. Cotton: its cultivation, marketing, manufacture and the problems of the cotton world. 331 p. New York. Doubleday, Page & co. 1906.

Also published in German under title "Die Baumwolle", by O. Wiegand, Leipzig, and in Spanish under title "Algodón", by S. Fabian de Velasco, New York.

Chapman, S. J. The cotton industry and trade. 175 p. London. Methuen & co. 1905.

Cheney, T. R. Cotton-seed-oil industry. In Depew, C. M., One hundred years of American commerce, v. 2, p. 451-455. New York. D. O. Maynes & co. 1895.

Chew, M. R. History of the kingdom of cotton. 96 p. New Orleans. W. B. Stansbury & co. 1884.

Collings, G. H. The production of cotton. 256 p. New York. John Wiley & sons. 1926.

Copeland, M. T. The cotton manufacturing industry of the United States. 415 p. Cambridge, Mass. Harvard University. 1912.

Crabtree, J. H. The cotton industry. 126 p. London. G. Lockwood & son. 1922.

Crawford, M. D. C. The heritage of cotton. The fiber of two worlds and many ages. 244 p. New York. S. D. Putnam's sons. 1924.

Dana, W. B. Cotton from seed to loom. 291 p. New York. W. B. Dana & co. 1878.

Darby, W. D. Cotton, the universal fiber. 68 p. New York. Dry Goods Economist. 1922.

Dodd, W. E. The cotton kingdom. 161 p. New Haven. Yale University press. 1919.

Duff, Sir H. Cotton growing in Nigeria. 81 p. London. Published by Emprie Cotton Growing Committee. 1921.

Supplementary note. 6 p. 1921.

Duggar, J. F. Southern field crops. 579 p. New York. Macmillan co. 1911.

Dunstan, W. R. British cotton cultivation. Report to the Board of trade on cotton cultivation in the British Empire and in Egypt. 40 p. London. 1904. (Gt. Brit. Parliament. Papers by command. Cd. 2020.)

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
I. Books and Pamphlets (Cont'd)

Dunstan, W. R. British cotton cultivation. Reports on the quality of cotton grown in British possessions. 46 p. London. 1908. (Gt. Brit. Colonial office. Colonial reports. Miscellaneous no. 50.)

_____ Report on the present position of cotton cultivation; presented to the international congress of tropical agriculture, Brussels, May, 1910. 58 p. Paris. 1910.

Papers and reports on cotton cultivation; presented to the International congress of tropical agriculture, Brussels, May, 1910. Supplementary to the general "Report on the present position of cotton cultivation". 320 p. Paris 1911.

Earle, F. S. Southern agriculture. 297 p. New York. Macmillan co. 1908.

Flatters, A. The cotton plant, its development and structure. 92 p. London. Sherratt & Hughes. 1906.

French, C. N. Report on the cotton-growing industry of Uganda, Kenya and the Mwanza district of Tanganyika. 44 p. London. Published by Empire Cotton Growing Corporation. 1925.

French, G. J. Remarks on the mechanical structure of cotton fiber. 15 p. Manchester. C. Simms & co. 1857.

Fyson, P. L. Some experiments in the hybridising of Indian cottons. 27 p. Calcutta. 1908. (India. Dept. Agr. Mem. Bot. Ser., v. 2, no. 6.)

Gammie, G. A. The Indian cottons. 23 p. Calcutta. 1907. (India. Dept. Agr. Mem. Bot. Ser., v. 2, no. 2.)

Gilroy, C. G. The history of silk, cotton, linen, wool and other fibrous substances. 464 p. New York. C. M. Saxton. 1853.

Goulding, E. Cotton and other vegetable fibers: their production and utilization. 23[illegible] p. London. John Murray. 1917. (Handbook of the Imperial Institute, no. 4.)

Great Britain. Board of Trade. Empire Cotton Growing Committee. Report. 74 p. London. 1920. (Parliament. Papers by command. 523.)

Hall, A. J. Cotton-cellulose; its chemistry and technology. 228 p. London. E. Benn, ltd. 1924.

Hammond, M. B. The cotton industry: an essay in American economic history. Pt. 1, The cotton culture and the cotton trade. 382 p. New York. Macmillan co. 1897. (Thesis Ph. D., Columbia Univ.) (Amer. Econ. Assoc. Pubs., new ser. no. 1.)

Harding, R. Cotton in Australia: the possibilities of Australia as a cotton-growing country. 270 p. London, New York, [etc.] Longmans, Green & co. 1924. (Contains bibliography.)

Herty, C. H. Per cent tables for oil in cottonseed products with method of analysis. 50 p. Chapel Hill, N. C. The University press. 1908.

Herzfeld, J. Technical testing of yarns. Ed. 3, 209 p. London. Scott, Greenwood & son. 1920.

Horne, H. The extension of cotton cultivation in Tanganyika. 48 p. London. Published by Empire Cotton Growing Corporation. 1922.

Hubbard, W. H. Cotton and the cotton market. 503 p. New York. D. Appleton & co. 1924.

India. Department of Agriculture. Studies in Indian cottons. v. 1. Calcutta. 1914. (Mem. Bot. Ser., v. 6, no. 4.)

India. Indian Cotton Committee. Report. 2 v. Calcutta. 1919.

International Institute of Agriculture. Bureau of Statistics. The cotton-growing countries. Production and trade. 147 p. Rome. 1922.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
I. Books and Pamphlets (Cont'd

Interstate Cotton Seed Crushers' Association. The value of cottonseed products with some general notes on the cottonseed manufacturing industry. 144 p. Dallas, Tex. 1913.

Kissell, M. L. Yarn and cloth making. 252 p. New York. Macmillan co. 1916.

Kottur, G. L. Studies in inheritance in cotton. v. 1. Calcutta. 1923. (India. Dept. Agr. Mem. Bot. Ser., v. 12, no. 3.)

Lamborn, L. L. Cottonseed products. 240 p. New York. D. Van Nostrand co. 1904.

Leake, H. M., and Prasad, R. Notes on the incidence and effect of sterility and of cross-fertilization in the Indian cottons. Calcutta. [1912.] (India. Dept. Agr. Mem. Bot. Ser., v. 4, no. 3, p. 37-72.)

McConnel, J. W. Cotton growing within the British Empire and the world's capacity for consuming cotton goods. 40 p. [Guildford and Esher.] Published by Empire Cotton Growing Committee. 1921.

Marsh, A. R. The cost of production, the value and the price of cotton. 27 p. New York. Chronicle co., ltd. 1912. (Reprint from Market World and Chronicle

_____ The full text of the U. S. cotton futures act--together with analysis of the act in respect of its legal meaning and its effect upon the cotton trade of the United States. 23 p. New York. Chronicle co., ltd. 1914.

Matthews, J. M. Bleaching and related processes. 676 p. New York. Chemical Catalog co., inc. 1921.

_____ The textile fibers. Their physical, microscopical and chemical properties. Ed. 4. 1053 p. New York. J. Wiley & sons, inc. 1924.

Mercier, W. B., and Savely, H. E. The Knapp method of growing cotton. 208 p. Garden City, New York. Doubleday, Page & co. 1913.

Miller, T. S. The American cotton system historically treated, showing operations of the cotton exchanges, also cotton classification. 294 p. Austin, Tex. Austin printing co. 1909.

_____ Cotton trade guide and student's manual. Ed. 4. 450 p. Austin, Tex. E. L. Steck. 1923.

Monie, H. Cotton fiber, its structure, etc. 166 p. Manchester. 1890.

Morgan, J. O. Field crops for the cotton-belt. 456 p. New York. Macmillan co. 1917.

Moore, H. L. Forecasting the yield and price of cotton. 173 p. New York. Macmillan co. 1917.

Nasmith, J. Students' cotton spinning. 622 p. Manchester. 1896.

Nystrom, P. H. Textiles. 355 p. New York. D. Appleton & co. 1916.

Patel, M. L. Studies in Gujarat cottons. Pt. 1-2. Calcutta. 1921-24. (India. Dept. Agr. Mem. Bot. Ser., v. 11, no. 4; v. 12, no. 5.)

Peake, R. J. Cotton from raw material to finished product. 122 p. London, New York, [etc.] Isaac Pitman. 1910.

Pearse, A. S. Cotton growing in Egypt. 73 p. [Manchester.] Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations. 1912.

_____ Cotton growing in India. 113 p. [Manchester.] Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations. 1912.

_____ Official report of the visit of the delegation of the International federation of master cotton spinners' and manufacturers' associations to Egypt (Oct. Nov. 1912) and report by the secretary on his subsequent tour in the Anglo-Egyptian Sudan (Nov.-Dec. 1912) ...also cotton growing in Egypt, a re-issue of the report by the secretary on his visit to Egypt in 1911, with some additions. 347 p. [Manchester.] 1913.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
I. Books and pamphlets (Cont'd)

Pearse, A. S. Brazilian cotton; being the report of the journey of the International cotton mission through the cotton states of Sao Paulo, Minas Geraes, Bahia, Alagoas, Sergipe, Pernambuco, Parahyba, Rio Grande de norte. 231 p. [Manchester. 1921?]

Cotton in north Brazil; being the report of the journey through the states of Ceará, Maranhao and Pará, together with a synopsis of the whole of Brazil's cotton potentialities. 130 p. Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations. [Manchester.] 1923.

Penzer, N. M. Cotton in British West Africa, including Togoland and the Cameroons. 53 p. London. Federation of British Industries. 1920.

Queensland. Department of Agriculture and Stock. Reports on experimental work on cotton, carried out on certain state farms in Queensland during 1924-25. 48 p. Brisbane. 1926.

Ransom, L. A. The great cottonseed industry of the South. 125 p. New York. Oil Paint and Drug Reporter. 1911.

Russell, A. L. Cottonseed oil: regulations for trading, principal uses and statistics of production and distribution. 19 p. New York. A. L. Russell. 1916.

Schanz, H. Cotton in Egypt and the Anglo-Egyptian Sudan. 143 p. [Manchester. 1913.] (Submitted to the 9th International Cotton Congress, Scheveningen, June 9-13, 1913.)

Scherer, J. A. B. Cotton as a world power; a study in the economic interpretation of history. 452 p. New York. F. A. Stokes co. 1916.

Scherffius, W. H., and Costhuizen, J. du P. Cotton in South Africa. 207 p. [Johannesburg.] Central News Agency, ltd. 1924.

Seabrook, W. B. Memoir on the origin, cultivation and uses of cotton. 23 p. Charleston. 1847. (Supplement to the Proceedings of the Agricultural Society of South Carolina.)

Shepperson, A. B. Cotton facts. New York. A. B. Shepperson. (Issued yearly.)

"Cotton Futures." 66 p. New York. A. B. Shepperson. 1911.

Stewart, C. Cotton futures. What they are and how they work in practice. 20 p. Liverpool. The author. 1921.

Taggart, W. S. Cotton spinning. 3 v. London. Macmillan & co., ltd. 1919-20.

Taylor, E. McK., and Burns, A. C. The basis of Egyptian agriculture and its relation to the decline in the average yield per foddan of cotton. 69 p. Cairo. 1922. (Egypt. Min. Agr. Tech. and Sci. Ser. Bul. 25.)

Texas. Department of Agriculture. Cost of producing the 1918 cotton crop. Austin. 1918.

Thompson, H. From the cotton field to the cotton mill; a study of the industrial transition in North Carolina. 284 p. New York. Macmillan co. 1906.

Todd, J. A. The world's cotton crops. 460 p. London. A. & C. Black, ltd. 1915.

Tompkins, D. A. Cotton and cotton oil. 494 p. Charlotte, N. C. 1901.

Cotton values in textile fabrics. 7 p. Charlotte, N. C. The author. 1902.

Turner, J. A. The cotton planters' manual. 320 p. New York. C. M. Saxton & co. 1857.

Ure, A. The cotton manufacture of Great Britain. London. 1861.

Vinton, L. The story of cotton. 16 p. New York. 1919.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
I. Books and Pamphlets (Cont'd)

Von Phul, W. Physical characteristics of cotton warehouses. Address before conference of cotton states bankers. 15 p. New Orleans. Dameron Pierson co., ltd. 1915.

Wakefield, S. Cotton doubling and twisting. 6 v. in 4. Manchester. Maraden & co., ltd. 1915.

Ward, J. S. M. The raw materials of industry, cotton and wool. 270 p. London W. Rider & son, ltd. 1921.

Watkins, J. L. King Cotton: a historical and statistical review, 1790 to 1908. 321 p. New York. J. L. Watkins & sons. 1908.

Watson, K. H. Textiles and clothing. 244 p. Chicago. American School of Home Economics. 1907.

Watt, Sir G. Wild and cultivated cotton plants of the world. 406 p. London, New York, [etc.] Longmans, Green & co. 1907.

Wilkinson, F. The story of the cotton plant. 191 p. New York. D. Appleton & co. 1915.

Winchester, W. E. Principles and processes of cotton yarn manufacture. 311 p. Philadelphia. Philadelphia Textile School of the Pennsylvania Museum and School of Industrial Art. 1921.

Young, T. M. The American cotton industry. 150 p. New York. C. Scribner's sons. 1903.

II. Publications of the U. S. Department of Agriculture

Department Bulletins

No. 36. Studies of primary cotton market conditions in Oklahoma. By W. A. Sherman, F. Taylor, and C. J. Brand. 1913.

38. Seed selection of Egyptian cotton. By T. H. Kearney. 1913.

60. The relation of cotton buying to cotton growing. By O. F. Cook. 1914

62. Tests of the waste, tensile strength, and bleaching qualities of the different grades of cotton as standardized by the United States government. By N. A. Cobb. 1914.

121. Spinning tests of Upland longstaple cottons. By F. Taylor and W. A. Sherman. 1914.

146. Economic conditions in the Sea Island cotton industry. By W. R. Meadows. 1914.

216. Cotton warehouses: storage facilities now available in the South. By R. L. Nixon. 1915.

277. Cotton warehouse construction. By R. L. Nixon. 1915.

279. Single-stalk cotton culture at San Antonio. By R. M. Meade. 1915.

288. Custom ginning as a factor in cotton-seed deterioration. By D. A. Saunders and P. V. Cardon, 1915.

324. Community production of Durango cotton in the Imperial Valley. By A. McLachlan. 1915.

322. Community production of Egyptian cotton in the United States. By C. S. Scofield, T. H. Kearney, C. J. Brand, O. F. Cook, and W. T. Swingle. 1916.

337. A study of the tenant systems of farming in the Yazoo-Mississippi Delta By E. A. Boegor and E. A. Goldenweiser. 1916.

359. Comparative spinning tests of the different grades of Arizona-Egyptian with Sea Island and Sakellaridis Egyptian cottons. By F. Taylor and W. S. Dean. 1916.

366. Manufacturing tests of cotton fumigated with hydrocyanic-acid gas. By W. S. Dean. 1916.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
II. Publications of the U. S. Department of Agriculture (Cont'd)
Department Bulletins (Cont'd)

374. The intrinsic values of grain, cotton-seed, flour, and similar products, based on the dry-matter content. By E. G. Boerner. 1916.
416. The red spider on cotton. By E. A. McGregor and F. L. McDonough. 1917.
457. Relation between primary market prices and qualities of cotton. By F. Taylor. 1916.
458. Handling and marketing Durango cotton in the Imperial Valley. By J. G. Martin and G. C. White. 1917.
476. A study of cotton market conditions in North Carolina with a view to their improvement. By O. J. McConnell and W. R. Camp. 1917.
511. Farm practice in the cultivation of cotton. By H. R. Cates. 1917.
526. Experiments with single-stalk cotton culture in Louisiana, Arkansas, and North Carolina. By P. V. Cardon. 1918.
533. Extension of cotton production in California. By O. F. Cook. 1917.
591. Manufacturing tests of the official cotton standards for grade. By W. S. Dean and F. Taylor. 1917.
644. Lint percentage and lint index of cotton and methods of determination. By G. S. Meloy. 1918.
659. A farm management study of cotton farms of Ellis County, Texas. By R. E. Willard. 1918.
668. Nurse planting select cotton seed. By P. V. Cardon. 1918.
723. The pink bollworm. By W. D. Hunter. 1918.
733. Length of cotton lint, crops 1916 and 1917. By W. L. Pryor. 1918.
742. Production of American Egyptian cotton. By C. S. Scofield, T. H. Kearney, C. J. Brand, O. F. Cook, and W. T. Swingle. 1919.
801. Construction and fire protection of cotton warehouses. By J. M. Workman. 1919.
882. Manufacturing and laboratory tests to produce an improved cotton airplane fabric. By F. Taylor and D. E. Earle. 1920.
896. The cost of producing cotton (842 records - 1918). By L. A. Moorhouse and M. R. Cooper. 1920.
929. Cotton-seed meal for horses. By G. A. Bell and J. O. Williams. 1920.
946. Comparative spinning tests of Meade and Sea Island cottons. By W. R. Meadows and W. G. Blair. 1921.
948. Composition of cotton seed. By C. T. Creswell and G. L. Bidwell. 1921.
990. Preliminary manufacturing tests of the official cotton standards of the United States for color for Upland tinged and stained cotton. By W. R. Meadows and W. G. Blair. 1921.
1018. Water-stress behavior of Pima cotton in Arizona. By C. J. King. 1922.
1030. Meade cotton, an upland long-staple variety replacing Sea Island. By G. S. Meloy and C. B. Doyle. 1922.
1056. Marketing cotton seed for planting purposes. By J. E. Barr. 1922.
1111. One-variety cotton communities. By O. F. Cook. 1922.
1134. Self-fertilization and cross-fertilization in Pima cotton. By T. H. Kearney. 1923.
1135. Spinning tests of cotton compressed to different densities. By W. R. Meadows and W. G. Blair. 1923.
1148. Comparative spinning tests of superior varieties of cotton. By W. R. Meadows and W. G. Blair. 1923.
1153. Boll-weevil cotton in Texas. By O. F. Cook. 1923.
1164. Segregation and correlation of characters in an upland-Egyptian cotton hybrid. By T. H. Kearney. 1923.
1184. Utilization of Pima cotton. By H. H. Willis. 1923.

COTTON PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
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Department Bulletins (Cont'd)

1219. Delinting and recleaning cottonseed for planting purposes. By J. E. Barr. 1924.
1319. Ginning Pima cotton in Arizona. By J. S. Townsend. 1925.
1320. Behavior of cotton planted at different dates in weevil-control experiments in Texas and South Carolina. By W. W. Ballard and D. M. Simpson. 1925.

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No. 28. Cotton gin fires caused by static electricity. [1919.]
56. Suggested improvements in methods of selling cotton by farmers. By O. J. McConnell. 1919.
164. Cotton culture in the San Joaquin Valley in California. By W. B. Camp. 1921.
175. Linters. By A. M. Agelasto. 1921.
200. Improvements in cotton production. By O. F. Cook. 1921.
205. Cotton-seed mixing increased by modern gin equipment. By W. W. Ballard and C. B. Doyle. 1922.
247. The uniformity of Pima cotton. By. T. H. Kearney. 1922.
271. Grounding cotton gins to prevent fires. By H. E. Roethe. 1923.
278. The commercial classification of American cotton. By A. W. Palmer. 19
357. Production of Acala cotton in the San Joaquin Valley of California. By W. B. Camp. 1925.
381. Uniform-depth press-wheel cotton-planter attachment. By W. B. Camp and J. S. Townsend. 1926.

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No. 217. Essential steps in securing an early crop of cotton. By R. J. Redding. 1905.
285. The advantage of planting heavy cotton seed. By H. J. Webber and E. B. Boykin. 1907.
286. Comparative value of whole cotton seed and cotton-seed meal in fertilizing cotton. By E. B. Boykin. 1907.
364. A profitable cotton farm. By C. L. Goodrich. 1909.
501. Cotton improvement under weevil conditions. By O. F. Cook. 1912.
577. Growing Egyptian cotton in the Salt River Valley, Arizona. By E. W. Hudson. 1914.
591. The classification and grading of cotton. By D. E. Earle and W. S. Dean. 1914.
601. A new system of cotton culture and its application. By O. F. Cook. 1914.
625. Cotton wilt and root-knot. By W. W. Gilbert. 1914.
648. The control of root-knot., By E. A. Bessy and L. P. Byars. 1915.
655. Cotton-seed meal for feeding beef cattle. By W. F. Ward. 1915.
764. Cotton ginning information for farmers. By F. Taylor, D. C. Griffith and C. E. Atkinson. 1916.
775. Losses from selling cotton in the seed. By C. F. Creswell. 1916.
787. Sea Island cotton. By W. A. Orton. 1916.
802. Classification of American Upland cotton. By D. E. Earle and F. Taylor. 1917. (Revision of Farmers' bulletin 591)
831. The red spider on cotton and how to control it. By E. A. McGregor. 1917.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)
Publications of the U. S. Department of Agriculture (Cont'd)
Farmers' Bulletins (Cont'd)

No. 890. How insects affect the cotton plant and means of combating them. By W. D. Pierce. 1917. Rev. 1920.
1098. Dusting machinery for cotton boll weevil control. By E. Johnson and B. R. Coad. [1920.]
1179. Feeding cotton-seed products to livestock. By E. W. Sheets and E. H. Thompson. 1920.
1187. Cotton diseases and their control. By T. W. Gilbert. [1921.]
1319. Cotton dusting machinery. By E. Johnson, S. T. Howard, and B. R. Coad. [1923.]
1329. The boll-weevil problem. By W. D. Hunter and B. R. Coad. [1923.]
1384. Community cotton production. By O. F. Cook and R. D. Martin. [1924.]
1432. Culture of Pima and Upland cotton in Arizona. By O. F. Cook and R. D. Martin. [1924.]
1465. Cotton ginning. By G. S. Meloy. [1925.]

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Service and Regulatory Announcements

No. 1. Establishment and promulgation of official cotton standards of the United States. 1915.
5. The United States cotton futures act. By F. G. Caffey. 1915.
6. The official cotton standards of the United States. 1916.
7. Brief history of the movement to secure universal cotton standards. 1916.
10. Changes made in the United States cotton futures act by its reenactment on August 11, 1916. 1916.
41. Public notices establishing official cotton standards of the United States for American Egyptian cotton, for Sea Island cotton, and for length of staple. 1919.
72. Establishment and replacement of the official cotton standards of the United States. 1922.
76. Regulations of the Secretary of Agriculture under the United States Warehouse act of August 11, 1916, as amended. Revised regulations for cotton warehouses, approved May 29, 1923. 1923.
80. Regulations of the Secretary of Agriculture under the United States Cotton Standards act. Effective August 1, 1923. 1923.
91. Regulations of the Secretary of Agriculture under the United States Cotton futures act. Effective June 15, 1925. 1925.
92. Standards for cotton classification in the United States and abroad. 1925.
93. Regulations of the Secretary of Agriculture under the United States Cotton standards act. Effective August 1, 1925. 1925.

Bureau of Plant Industry
Bulletins

No. 62. Notes on Egyptian agriculture. By G. P. Foaden. 1904.
68. Weevil-resisting adaptations of the cotton plant. By O. F. Cook. 1906.
128. Egyptian cotton in the southwestern United States. By T. H. Kearney and W. A. Peterson. 1908.
147. Suppressed and intensified characters in cotton hybrids. By O. F. Cook. 1909.

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Bureau of Plant Industry - Bulletins (Cont(d)

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159. Local adjustment of cotton varieties. By O. F. Cook. 1909.
163. Varieties of American upland cotton. By F. J. Tyler. 1910.
200. Breeding new types of Egyptian cotton. By T. H. Kearney. 1910.
210. Hindi cotton in Egypt. By O. F. Cook. 1911.
220. Relation of drought to weevil resistance in cotton. By O. F. Cook. 1911.
221. Dimorphic leaves of cotton and allied plants in relation to heredity. By O. F. Cook. 1911.
222. Arrangement of parts in the cotton plant. By O. F. Cook and R. M. Meade. 1911.
249. The branching habits of Egyptian cotton. By A. McLachlan. 1912.
256. Heredity and cotton breeding. By O. F. Cook. 1913.

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18. Reappearance of a primitive character in cotton hybrids. By O. F. Cook. 1908.
29. Experiments with Egyptian cotton in 1908. By T. H. Kearney and W. A. Peterson. 1909.
42. Origin of the Hindi cotton. By O. F. Cook. 1909.
53. Mutative reversions in cotton. By O. F. Cook. 1910.
66. Cotton selection on the farm by the characters of the stalks, leaves and bolls. By O. F. Cook. 1910.
96. Results of cotton experiments in 1911. By O. F. Cook. 1912.
109. Miscellaneous papers. Contains "Morphology of cotton branches", by O. F. Cook. 1913.
110. Miscellaneous papers. Contains "Preparation of land for Egyptian cotton in the Salt River Valley, Arizona", by E. W. Hudson. 1913.
111. Miscellaneous papers. Contains "Durango cotton in the Imperial Valley", by O. F. Cook; and "Supernumerary carpels in cotton bolls", by R. M. Meade. 1913.
112. Miscellaneous papers. Contains "Egyptian cotton as affected by soil variations", by T. H. Kearney. 1913.
115. Miscellaneous papers. Contains "A new system of cotton culture", by O. F. Cook. 1913.
118. Miscellaneous papers. Contains "The abortion of fruiting branches in cotton," by O. F. Cook. 1913.
121. Miscellaneous papers. Contains "The culture of Durango cotton in the Imperial Valley", by A. McLachlan; and "Methods of securing self-pollination in cotton", by R. M. Meade. 1913.
123. Miscellaneous papers. Contains "Factors affecting the production of long-staple cotton", by O. F. Cook; "Behavior of seed cotton in farm storage", by C. J. Brand and W. O. Sherman; and "Egyptian cotton culture in the Southwest", by C. S. Scofield. 1913.
130. Miscellaneous papers. Contains "Cotton problems in Louisiana", by O. F. Cook. 1913.
132. Miscellaneous papers. Contains "Cotton farming in the southwest", by O. F. Cook. 1913.

COTTON: PARTIAL LIST OF PUBLICATIONS IN ENGLISH (Cont'd)

II. Publications of the U. S. Department of Agriculture (Cont'd)

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No. 32. Cotton crop of the United States, 1790-1911. 1912.

Weather Bureau
Bulletin

No. 8. Report on the climatology of the cotton plant. By P. H. Mell. 1893.

Division of Botany
Circular

No. 26. Egyptian cotton in the United States. By L. H. Dewey. 1900.

Division of Statistics
Bulletins

No. 9. Production and price of cotton for one hundred years. By J. L. Watkins. 1895. (Misc. ser.)
16. The cost of cotton production. By J. L. Watkins. 1899. (Misc. ser.)

Office of Experiment Stations
Bulletins

No. 33. The cotton plant: its history, botany, chemistry, culture, enemies, and uses. 1896.
42. Cotton culture in Egypt. By G. P. Foaden. 1897.
Sea Island cotton in St. Croix. By L. Smith. 1921. (Virgin Islands Agr. Exper. Sta. Bul. 1)

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Atlas of American agriculture. Part V. Section A. Cotton. By O. C. Stine and O. E. Baker. 1918. (Contains bibliography)

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No. 46. Rules and regulations of the Secretary of Agriculture under the United States Cotton Futures Act of August 18, 1914. 1915.
64. Rules and regulations of the Secretary of Agriculture under the United States Cotton Futures Act of August 11, 1916. 1916.
88. The agricultural situation for 1918. Part 5. Cotton. 1918.
94. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for cotton warehouses. 1918.
143. Regularions of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916, as amended July 24, 1919. 1919.
159. Regulations of the Secretary of Agriculture under the United States Cotton Futures Act. Effective August 1, 1922. 1922.

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V. 2, no. 4, p. 287-302. Mutation in Egyptian cotton. By T. H. Kearney. 1914.

V. 3, no. 5, p. 387-400. Brachysm, a hereditary deformity of cotton and other plants. By O. F. Cook. 1915.

V. 12, no. 2, p. 83-102. Gossypol, the toxic substance in cotton-seed. By W. A. Withers and F. E. Carruth. 1918.

V. 13, no. 7, p. 345-352. Chemistry of the cotton plant, with special reference to upland cotton. By A. Viehoever, L. H. Chernoff, and C. O. Johns. 1918.

V. 13, no. 8, p. 419-436. Chemistry and histology of the glands of the cotton plant. By E. E. Stanford and A. Viehoever. 1918.

V. 21, no. 4, p. 227-242. Heritable variations in an apparently uniform variety of cotton. By T. H. Kearney. 1921.

V. 23, no. 12, p. 927-946. Summer irrigation of Pima cotton. By R. D. Martin and H. F. Loomis. 1923.

V. 25, no. 4, p. 195-208. Growth of fruiting parts in cotton plants. By R. D. Martin, W. W. Ballard and D. M. Simpson. 1923.

V. 25, no. 7, p. 285-295. Quantitative variation of gossypol and its relation to the oil content of cottonseed. By E. W. Schwartze and C. L. Alsberg. 1923.

V. 27, no. 5, p. 287-328. The tissue fluids of Egyptian and Upland cottons and their F_1 hybrids. By J. A. Harris, Z. W. Lawrence, W. F. Hoffman, J. V. Lawrence, A. T. Valentine. 1924.

V. 27, no. 6, p. 329-340. Selective fertilization in cotton. By T. H. Kearney and G. J. Harrison. 1924.

V. 27, no. 7, p. 491-512. Inheritance of petal spot in Pima cotton. By T. H. Kearney. 1924.

V. 28, no. 3, p. 285-292. The germination of cotton-seed. By E. H. Toole and P. L. Drummond. 1924.

V. 28, no. 3, p. 293-295. The sale content of cotton fiber. By T. H. Kearney and C. S. Scofield. 1924.

V. 28, no. 6, p. 563-565. Length of cotton fiber from bolls at different heights on the plant. By T. H. Kearney and G. J. Harrison 1924.

V. 28, no. 7, p. 695-704. The chlorid content of the leaf tissue fluids of Egyptian and Upland cotton. By J. A. Harris, J. V. Lawrence and Z. W. Lawrence. 1924.

V. 28, no. 9, p. 937-[illegible]. Comparison of Pima cotton with Upland varieties in Arizona. By C. J. King, H. F. Loomis and D. L. Varmette. 1924.

V. 28, no. 10, p. 1041-1042. Non-inheritance of terminal bud abortion in Pima cotton. By T. H. Kearney. 1924.

V. 28, no. 11, p. 1081-1093. Spacing experiments with Acala cotton in southern California. By H. G. McKeever. 1924.

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II. Publications of the U. S. Department of Agriculture (Cont'd)

Yearbook Articles

1901. The cotton-seed industry. By C. M. Daugherty. p. 285-298. 1902.
1904. Cotton culture in Guatemala. By O. F. Cook. p. 475-488. 1905.
1911. Cotton improvement on a community basis. By O. F. Cook. p. 396-410. 1912.
1912. Improved methods of handling and marketing cotton. By C. J. Brand. p. 443-462. 1913.
1918. Cotton warehousing--benefits of an adequate system. By R. L. Newton and J. M. Workman. p. 399-432. 1919.
1921. The cotton situation. By A. M. Agelasto, C. B. Doyle, G. S. Meloy and O. C. Stine. p. 323-406. 1922.

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The cotton plant. (Office of Experiment Stations. Bulletin no. 33. Bibliographical footnotes and "Supplemental bibliography of cotton", pp. 423-433.
[Cotton], a selected bibliography of sources. (Atlas of American Agriculture. Part V, Section A, p. 4. 1918)
References for the study of the chemistry of the cotton plant and its products. (Agricultural Library Notes, vol. 1, no. 4, pp. 62-65. April, 1926)

III. Miscellaneous Government Publications

U. S. Department of Commerce. Terms used in the cotton industry. By W. A. G. Clark. (Special Agents Series 105. 1915.)
U. S. Department of Commerce. Bur. of the Census. Cotton production and distribution. Bulletins 131, 134, 135, 137, 140, 145, 147, 150, 153. (1915-1923.)
U. S. Department of Commerce. Bureau of Foreign and Domestic Commerce. Foreign markets for cotton linters, batting, and waste. (Special Consular Reports 80, 1918.)
U. S. Department of Commerce and Labor. Bureau of Corporations. Report of the Commissioner of Corporations on cotton exchanges. By H. K. Smith. 5 parts. 1908-09.
U. S. Department of Commerce and Labor. Packing and marketing of cotton. A study of present wasteful methods and certain suggestions for their improvement. By J. M. Carson. (Special Agents Series 58. 1912.)
U. S. Department of State. Special consular reports on cotton tare. (U. S. 62nd Cong., 2 Sess. House Doc. 577. 1912.)
U. S. War Industries Board. Storage Committee. Improved methods of baling cotton. 1918.

Note: The experiment stations of the following states issue publications on cotton: Alabama, Arizona, Arkansas, Georgia, Louisiana, Mississippi, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. It was not practicable to include these publications in this list.

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS.

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AGRICULTURAL LIBRARY WORK

In an unsigned article on "Library Work as a Profession for Women" in the May, 1926, issue of the News-Bulletin of the Bureau of Vocational Information, there appeared the following paragraph on agricultural library work: "I might speak here of the agricultural library. Sometimes a part of the agricultural college, sometimes a part of the agricultural extension division, sometimes of both, it is a comparatively new, but an important and growing type of library. Besides collecting, caring for, and circulating agricultural books, magazines and bulletins, it offers splendid opportunities for social service. Agricultural libraries and extension departments sometimes establish a system of traveling libraries, supplying books to small communities and individuals, sending book lists and suggestions, following these up by personal visits made, perhaps, in a Ford, and by book talks at Institutes and Grange meetings."

The foregoing description of the work of agricultural libraries emphasizes particularly the opportunities for social service and extension work which always make a special appeal because of the human interest. But there is another side of the work of agricultural libraries which also needs to be emphasized, and that is the aid which the agricultural librarian can give in agricultural research. To complete the description, therefore, there is reprinted here an important and discriminating article by Dr. E. W. Allen, Chief of the Office of Experiment Stations, U. S. Department of Agriculture, entitled "The Librarian as an Aid to Agricultural Research" which appeared in "Special Libraries" for March, 1918, but is not as well known as it should be.

"Research in science is the process by which new facts, theories, and principles are added to the fund of human knowledge. All great knowledge grows by accretions. It is developed by building upon or strengthening what is already known. For the most part it advances by slow steps rather than by leaps and bounds, because restricted by the limitations of man to see far into the unknown. Because research is constructive in character and rests upon the work of others, thorough acquaintance with what has been done is highly essential and furnishes the real starting point for investigation. This involves a search of the literature to determine the real status of the subject, a weighing of the evidence and the soundness of views, and the development of new ideas, concepts, or theories as a basis for further advance. Research in agriculture deals with the various sciences in their application to agricultural problems. These problems are complex, often involving more than a single science, and in addition to centering what is known to science on these problems, their solution frequently requires investigation in the basic sciences themselves, so that the range involved in agricultural research is a quite broad one.

"The fact that agricultural investigation has been largely a product of individual rather than co-ordinated or group efforts, and has been conducted by a large number of workers each contributing his part, has made the literature bearing on it voluminous and scattered through a great variety of publications. The difficulty of tracing this is increased by the fact that in agricultural in-

quiry there has been relatively little monographing. Bibliographies of agricultural subjects are not numerous and are rarely sufficiently extensive or complete to meet the need. Hence extensive and widespread search is necessary to determine the status of knowledge on a particular subject and the steps by which it has progressed from stage to stage. The making of such a search naturally involves much time and patience, and if left to the investigator himself it detracts materially from the time he may give to his researches. This emphasizes the importance of facilities and bibliographic aids to the busy worker, and makes clear the advantage to him of efficient assistance in bringing together all that is known. It opens up the opportunity for important service for the librarian who has general fitness for such a type of work, and points to the possibility of profitable development along that line. Such service may contribute to the direct success of research in two ways, namely, by making the investigator more effective because better prepared, and by conserving his time and enabling him to concentrate upon his problems.

"The advantage of the librarian in such a line of activity lies in a training which has taught skill and patience in conducting such searches in a thorough and systematic manner, a knowledge of sources of material and of bibliographic helps, and a special faculty which experience develops in tracing information to its source. This type of assistance has not been so largely utilized in agricultural research as it might be, partly perhaps because the subjects are technical and often quite specialized, and the investigator is accustomed to employ only trained assistants in conducting the technical features of inquiry. On the other hand, the field has not been entered by librarians except in a limited extent, probably because of the reasons cited and because of the pressure of other library duties. While a knowledge of general science is unquestionably a great help, the librarian is in the habit of dealing with a wide range of subjects without special knowledge, and this has inculcated a quick perception, a readiness in determining what might be of value, and unusual breadth of adaptability. These things contribute to give a degree of intelligence in such work beyond what might at first be expected. With guidance on the part of the investigator and some attention to instructing the librarian in the elements which go to make up the subject under investigation, skill may be developed which should prove highly helpful.

"From the standpoint of the librarian there would seem to be a special field worth cultivating and of considerable interest. Hundreds of men and women in this country are now engaged in research in agriculture. In addition to the large force of investigators in the U. S. Department of Agriculture, every State has an agricultural experiment station which is the research department of the agricultural college, and several State departments of agriculture and an increasing number of industrial concerns are engaged in investigation which deals with agricultural questions. For the librarian who has this field in view the general science courses of college afford good foundation and enable facility in special technical lines to be more readily acquired. Surely men engaged in research would be quick to recognize ability in such a field and would welcome assistance. The present scope of the field, which is steadily broadening, would seem to offer encouragement to make some special preparation for it."

NOTES ON BOOKS AND BIBLIOGRAPHIES

The Yearbook of the U. S. Department of Agriculture for 1925 has recently been issued. The following extract from the "foreword" by the Secretary of Agriculture explains the scope and subject matter of this volume and of the four Yearbooks immediately preceding it: "This volume is the fifth and last of a series of yearbooks dealing primarily with the economic aspects of agriculture. The series was started under the direction of the late Henry C. Wallace, who was Secretary of Agriculture from March 5, 1921, until his death on October 25, 1924. In the preceding volumes articles have appeared on grains, livestock, fibers, dairy products, tobacco, forestry, forage resources, land utilization and land tenure, highways, credit, taxation, the poultry industry, and weather forecasting. In the present volume the fruit and vegetable industry is discussed. The Secretary's annual report to the President is likewise published, as well as a comprehensive collection of agricultural statistics. The articles on fruits and vegetables include historical material relating to fruit and vegetable growing in this country, in addition to the present status of the fruit and vegetable industry, its marketing problems, its geographical distribution, its cultural methods, and the economic factors that determine its development. Considerable space is devoted to plant pests and diseases and to methods of combating them. Recent progress in drying, canning, and pickling is recorded, and attention is given to the problem of utilizing surpluses and by-products of fruits and vegetables. While not comprising a textbook of the fruit and vegetable industry, the articles are comprehensive and detailed."

"Child Life Investigations, Poverty, Nutrition and Growth; Studies of child life in cities and rural districts of Scotland" by D. N. Paton and Leonard Findlay, has just been issued by the Medical Research Council of Great Britain as its Special Report Series, no. 101. The titles of the various parts are as follows: Part I. Populations studied and methods employed; Part II. Town and country; Part III. A preliminary consideration of some of the factors generally supposed to influence the nutrition and growth of children; Part IV. Income and home conditions; Part V. Diet; Part VI. Parental factors; Part VII. An investigation of the relationship of the growth and nutrition of children of rural coal miners in Scotland to environment; Part VIII. An investigation of the relationship of the growth and nutrition of the children of agricultural labourers in Scotland to environment. A list of "references" is given on p. 307-315.

Dr. Theodor Roemer, Director of the Institution for Plant Crops and Plant Breeding, University of Halle, has recently published in the series "Berichte ueber Landwirtschaft" (Neue folge, viertes sonuerheft) his "Observations in the field of Agriculture in the United States of America" (Beobachtungen auf dem Gebiete des Ackerbaues in den Ver. Staaten von Nordamerika). Dr. Roemer was a member of an official German Agricultural Commission which visited this country in 1925 for the purpose of studying our agriculture "since the study of the literature alone can give no adequate picture".

The entire edition of the "Times Atlas" has recently been purchased by the Book Department of Selfridge and Company, Ltd., Oxford Street, London. The prices for the various editions are given in the Publishers' Circular for July 3, 1926, on page 6.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

In a talk on "Books and the Farmer" at the meeting of the American Association of Agricultural Editors at East Lansing, in July, Nelson Antrim Crawford, Director of Information of the U. S. Department of Agriculture, said that farming and the farmer are being more adequately interpreted in books to-day than ever before; and that accurate scientific research, dealing not only with problems of production but also with agricultural history, economics, and sociology, is finding its way more and more into printed volumes. On the subject of the current fiction of farm life, consisting in the United States of 8 or 10 books a year, he said that both idealization of farming and contempt for it have largely disappeared in favor of realistic pictures of the farmer. He commented on a number of books of the last two years.

"THE WORLD'S SUGAR, Tea, Coffee, Cocoa and Spice Gazette" is the title of a new trade paper rather outside of the ordinary in style and content. Number one has recently reached the U. S. Department of Agriculture Library, though it is dated April 1, 1926. It is in English but is published in Paris at 3, Rue de Pichelieu and the subscription price is given as one pound. While the wrapper under which the periodical was received states that it is to be published monthly, there is no indication of this fact on the publication itself. Unfortunately, it is of newspaper size which will make it difficult to file. In addition to new material, it contains a number of interesting quotations from old writers. The name of the editor is announced in the following interesting fashion: "We are not a professional Journalist, only the greatest of chances installed us at the helm of the old J. des F. de S; we do not even think we are a writer, our various papers transgress every ethic of the professional; but, we believe we have something to say, and we just jot it down, without malice aforethought, at the run of the pen as we say here. ... When a new paper starts, it is customary to give a programme, promising all kinds of wonderful things; lists of top-notch contributors are also necessary. We take advantage of none of these artifices. This number has been entirely written out (long hand) by: The guilty party, who ... just decided one day to make the necessary effort. That is all there is to it, the future will depend entirely on our welcome: maybe we shall only have a short life, we shall endeavor to make it a merry one."

For the non-scientifically trained librarian biographies and biographical articles about scientific men are perhaps the most delightful avenues of approach to the study of scientific literature. A recent interesting biographical article on the famous scientist, William Bateson, whose books are found on the shelves of probably all agricultural reference libraries, is contained in the Edinburgh Review for July, 1926. It is by R. C. Punnett. Bateson's book entitled "Materials for the study of variation" is "now recognized as one of the great landmarks in biological thought."

"Odd bits of agricultural history" is the title of a series of articles by Carl R. Woodward, Editor of the New Jersey Agricultural Experiment Station, which is appearing in "New Jersey Agriculture". The first was contained in the number for June, 1925.

"West Virginia, 'the Switzerland of America', a brief guide for tourists to some of its many scenic and historic places", by Ross B. Johnston, has been issued by the West Virginia Department of Agriculture as its Bulletin no. 66, July, 1926.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

In celebration of the hundredth anniversary of the founding of the Ecole d'Agriculture de Grignon (France), two interesting volumes have just been issued. Both are published by the Association Amicale des Anciens Elèves de Grignon. Their titles are "Centenaire de Grignon. Travaux de la journée de l'enseignement agricole" or, as the cover-title reads: "Centenaire de Grignon. Un siècle d'enseignement agricole" (270 p.) and "Grignon (le château et l'école)", (301 p). The school at Grignon owes its origin to the two men Polonceau and Bella, who received their inspiration from Mathieu de Dombasle, the creator in 1822 of an Agricultural Institute at Roville, near Nancy. The founders of the new school decided that it should be just outside of Paris and obtained for the project an old estate which happened to be on the market at that time (1826). Bella was made director, and very wisely made a preliminary tour to inspect the agricultural schools of other countries, such as that of Thaër at Moeglin and of Schwerz at Hohenheim. The plan of Bella for the use of the school's capital of 600,000 francs, was to devote half of it to perfecting the agricultural condition of the estate, the other half to two schools, one for pupils who had already received an education but wished to learn the theory and practice of agriculture, the other for poor children, whose future work was to be as farm laborers. Only the first of these two schools was brought into being. The first mentioned book is made up of chapters describing the agricultural schools and institutions in France, and the various phases of agricultural instruction in that country. Each chapter is by a specialist. The other book is, as its name indicates, entirely devoted to the school at Grignon and its setting. The history of the estate is traced back to the 12th century. The sections of the book, each by a different author, are as follows: History of the Estate of Grignon; Grignon from 1826 to 1896; Instruction; Agricultural development of Grignon; Grignon as a center of agricultural experimentation; Description of courses of study. The book is illustrated by plans and views of the school grounds and buildings.

The Rural Industries Bureau (26 Eccleston Street, Victoria, S. W., London) has recently issued a circular on its objects and work. The Bureau was founded in 1921 with a grant from the Development Fund, for the purpose of assisting the development of rural industries, by giving information and advice on matters connected with them. The term "rural industries" includes industries, trades and handicrafts carried on in country districts either in the home or in small factories and work shops. The Bureau has a lending library containing a unique collection of books on the technical, artistic, and economic aspects of all kinds of rural industries and handicrafts. These books can be borrowed for a month, at moderate charges ranging from 2d to 9d a volume (postage extra). A catalogue can be obtained from the Bureau. "The purpose of the library, which now contains some four hundred books, is to enable rural craftsmen and those interested in rural industries to consult the good reference books they require, without the expense of buying them, which many are not in a position to afford." The Bureau has issued a series of pamphlets on rural trades and industries written from a practical standpoint. The price of the complete set of twenty-six pamphlets is 6s. 6d. A quarterly periodical called "Rural Industries" was started in the autumn of 1925. The subscription price is 2 shillings a year.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"The Friendship of two old-time naturalists" an article by J. S. Wade of the Bureau of Entomology, U. S. Department of Agriculture, which appeared in the August number of the "Scientific Monthly" is of particular interest to agricultural librarians. The naturalists referred to are Henry David Thoreau and Dr. Thaddeus William Harris. Agricultural librarians who have on their shelves Dr. Harris' "noted classic", his "Report on insects injurious to vegetation" issued in 1841 by the State of Massachusetts, and the later edition under the title "Treatise" instead of "Report", will be interested in Dr. L. O. Howard's estimate of this work which Mr. Wade quotes: "The practical value of Dr. Harris's work has been vast. His scientific reputation has steadily grown. His book is to-day as valuable as it was when first written, more than fifty years ago. On entering any entomological workshop in the land the first book that will catch the eye upon the desk is a well worn copy of the 'Treatise upon insects injurious to vegetation'." Dr. Harris in addition to being a naturalist was librarian of Harvard College from 1831 to the time of his death in 1855. Of his work as librarian Mr. Wade speaks as follows: "If he could not be wholly a naturalist, yet there is no doubt that he found enjoyment in being a librarian. In view of his inheritance and his training he seemed to be born with a librarian's interest in alcoves and pamphlets and endless genealogies. It is known that he kept his official records with exquisite accuracy and described his methods on occasions to fellow-librarians as sympathetically and as lovingly as if he were describing a most delicate chrysalis."

"The Forests of India" by E. P. Stebbing, is now complete with the publication this year of volume 3 on the Progress of Conservancy and the Development of Research in Forestry in India during 1901-1925. The work is published by John Lane, London.

"Cargoes and Harvests", by Donald Culross Peattie (published by D. Appleton and Company), is an interesting popular account of the history, botany, and use of various agricultural products and plants, such as the spices, quinine, rubber, tea, vegetable dyes, camphor, the potato, breadfruit, the poppy, tobacco, cotton, etc. Nearly all the chapters have at the end helpful lists of suggested reading.

"Maori Agriculture, the Cultivated Food Plants of the Natives of New Zealand with some Account of Native Methods of Agriculture, its Ritual and Origin Myths", by Elsdon Best, has been issued as Bulletin No. 9 of the New Zealand Dominion Museum.

"Rural Organizations Handbook" by J. H. Kolb and A. F. Wileden, is Wisconsin Agricultural Experiment Station Bulletin no. 384 but only a real investigation can discover the fact as the cover title successfully conceals the information, the series number appearing only in a running title on the even pages.

"A selected bibliography of publications, 1920-25, relating to the world wheat situation" has just been issued as Vol. II, No. 9 of Wheat Studies of the Food Research Institute at Stanford University.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"Swine Publications and Associations" is the title of a recent circular (No. 79) of the Iowa Agricultural Experiment Station, issued by the Animal Husbandry Section. It contains (1) a list of swine books arranged chronologically, (2) a list of general books containing swine topics, (3) a list, by state and number, of the bulletins and circulars on swine topics issued by the agricultural experiment stations, (4) a list of swine and breed periodicals and some general journals and periodicals which publish considerable information on swine, and (5) a list of swine registry and record associations.

Special attention is called to the bibliography of chloropicrin compiled by Dr. Roark of the Bureau of Chemistry and included in the list of mimeographed publications in this issue.

"The Cattle Industry and the Tariff" by Lynn Ramsey Edminster, published by the Macmillan Company, is a recent addition to the series of publications of the Institute of Economics. A bibliography is contained on pages 317-326.

A helpful little leaflet (no. 12) on "Poison Ivy" has recently been issued by the Department of Botany of the Field Museum of Natural History, Chicago. The price is twenty-five cents.

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AMERICAN LIBRARY ASSOCIATION CONFERENCE
Atlantic City, October 4th-9th
Agricultural Libraries Section - Tentative Program

Chairman, Lucy M. Lewis, Librarian, Oregon Agricultural College, Corvallis; Secretary, Mary G. Lacy, Librarian, Bureau of Agricultural Economics, U. S. Department of Agriculture, Washington, D. C.

Friday, October 8, 2:30 p.m.

Chairman's Introductory remarks.

Work of the Library of the International Institute of Agriculture, Rome, Italy. James G. Hodgson, Librarian.

Present trends in agricultural college library work. Charles H. Brown, Librarian, Iowa State College, Ames, Iowa.
Discussion.

Sources of state agricultural statistics. Margaret T. Olcott, Assistant Librarian, Bureau of Agricultural Economics, U. S. Department of Agriculture.

Reports of Committees; election of officers.

Attention is called to the fact that the time of the meeting has been changed from Thursday morning to Friday afternoon in order not to conflict with other meetings which are of particular interest to agricultural librarians such as the Public Documents Round Table and the Periodical Round Table.

WHO'S WHO IN AGRICULTURAL LIBRARY WORK

In order that the agricultural library group may visualize the size and make-up of the "family" the following list of the librarians of agricultural libraries is presented. Due to recent changes and other causes, some errors and omissions may be found. Notice of any such errors will be appreciated in order that corrections may be made.

ALABAMA:

Alabama Polytechnic Institute, Auburn. Miss Mary E. Martin, Librarian.
Alabama Agricultural Experiment Station, Auburn. (No librarian)
Agricultural School and Agricultural Experiment Station, Tuskegee Normal and Industrial Institute, Tuskegee Institute. Miss Ernestine Suarez, Librarian.

ARIZONA:

University of Arizona, Tucson. Miss Estelle Lutrell, Librarian.

ARKANSAS:

College of Agriculture, University of Arkansas, Fayetteville. Miss Margaret Gallaway, Librarian.

CALIFORNIA:

Agricultural Reference Room, University of California, Berkeley. Mrs. M. J. Abbott, Agricultural Reference Librarian.
College of Agriculture, University Farm, Davis. Miss Nelle U. Branch, Librarian.
Citrus Experiment Station, Riverside. Miss Margaret Buvens, Librarian.

COLORADO:

State College of Agriculture, Fort Collins. Miss Charlotte A.Baker, Librarian.

CONNECTICUT:

Connecticut Agricultural College, Storrs. Miss Edwina M. Whitney, Librarian.
Connecticut State Agricultural Experiment Station, New Haven. Miss L. M. Brautlecht, Librarian.

DELAWARE:

Agricultural Experiment Station, University of Delaware, Newark. Miss Freda E. Ritz, Librarian.
State College for Colored Students, Dover. Miss Ethel L. Cuff, Librarian.

FLORIDA:

Agricultural Experiment Station, University of Florida, Gainesville. Mrs. Ida K. Cresap, Librarian.
Florida Agricultural & Mechanical College for Negroes, Tallahassee. Mr. E. C. Weare, Librarian.

GEORGIA:

Georgia State College of Agriculture, Athens. Miss Nelle M. Reese, Librarian.
Georgia Experiment Station, Experiment. Miss Sarah L. Kilpatrick, Librarian.
Georgia Coastal Plain Experiment Station, Tifton. Miss Jessie Lee Reynolds, Librarian.

IDAHO:

University of Idaho, Moscow. Miss Mary B. Sweet, Librarian.

ILLINOIS:

College of Agriculture, University of Illinois, Urbana. Miss Mary G. Burwash, Librarian.

INDIANA:

Purdue University, Lafayette. Mr. Wm. M. Hepburn, Librarian.
Agricultural Experiment Station, Purdue University, Lafayette. Miss Ivor Sempill, Librarian.

WHO'S WHO IN AGRICULTURAL LIBRARY WORK (Cont'd)

IOWA:

Iowa State College of Agriculture & Mechanic Arts, Ames. Mr. Charles H. Brown, Librarian.

KANSAS:

Kansas State Agricultural College, Manhattan. Mr. Arthur B. Smith, Librarian.

KENTUCKY:

Agricultural Experiment Station, University of Kentucky, Lexington. Miss Grace L. Snodgrass, Librarian.

LOUISIANA:

Hill Memorial Library, Louisiana State University and Agricultural & Mechanical College, University Station, Baton Rouge. Mr. Chas. H. Stumberg, Librarian.

Southern University Reading Room, Scotlandville. Miss A. B. Newsom, Librarian.

Agricultural Experiment Station, Baton Rouge. Mr. James K. McHugh, Librarian.

MAINE:

University of Maine, Orono. Mr. R. L. Walkley, Librarian.

MARYLAND:

University of Maryland, College Park. Miss Grace L. Barnes, Librarian.

MASSACHUSETTS:

Massachusetts Agricultural College, Amherst. Mr. Basil B. Wood, Librarian.

MICHIGAN:

Michigan Agricultural College, East Lansing. Mrs. Linda E. Landon, Librarian.

MINNESOTA:

Department of Agriculture, University of Minnesota, University Farm, St. Paul. Miss Harriet W. Sewall, Librarian.

MISSISSIPPI:

Mississippi Agricultural & Mechanical College, A. and M. College. Mr. Whitman Davis, Librarian.

Alcorn Agricultural & Mechanical College, Alcorn. Mr. I. S. Sanders, Librarian.

Mississippi Experiment Station, A. and M. College. Miss Fittie Sue Johnson, Librarian.

MISSOURI:

College of Agriculture, University of Missouri, Columbia. Miss Jane Frodsham, Librarian.

Missouri State Fruit Farm and Experiment Station, Mountain Grove. (No librarian)

MONTANA:

Montana State College of Agriculture & Mechanic Arts, Bozeman. Miss Elizabeth Forrest, Librarian.

NEBRASKA:

College of Agriculture, University of Nebraska, Lincoln. Miss Edna C. Noble, Librarian.

NEVADA:

College of Agriculture and Agricultural Experiment Station, Reno. Mrs. ~~Miss~~ Martha R. Bruce, Librarian.

NEW HAMPSHIRE:

University of New Hampshire, Durham. Mr. Willard P. Lewis, Librarian.

NEW JERSEY:

Rutgers University, New Brunswick. Mr. George A. Osborn, Librarian.

New Jersey Agricultural Experiment Station, New Brunswick. Miss Elizabeth G. Skillman, Librarian.

NEW MEXICO:

New Mexico College of Agriculture & Mechanic Arts, State College. Miss Margery Bedinger, Librarian.

WHO'S WHO IN AGRICULTURAL LIBRARY WORK (Cont'd)

NEW YORK:

New York State College of Agriculture, Ithaca. Mr. Willard W. Ellis, Librarian.
New York State Agricultural Experiment Station, Geneva. Mrs. Catharine O. Cook, Librarian.

NORTH CAROLINA:

North Carolina State College of Agriculture & Engineering, West Raleigh. Librarian ---------.

NORTH DAKOTA:

North Dakota Agricultural College and Experiment Station, State College/, Station Fargo
Mrs. Ethel McVeety, Librarian.

OHIO:

Ohio State University, Columbus. Miss Olive B. Jones, Librarian.
Ohio Agricultural Experiment Station, Wooster. Miss Sarah J. Painter, Librarian.

OKLAHOMA:

Oklahoma Agricultural & Mechanical College, Stillwater. Mrs. Elsie D. Hand, Librarian.

OREGON:

Oregon Agricultural College, Corvallis, Miss Lucy M. Lewis, Librarian.

PENNSYLVANIA:

Agricultural Library, Pennsylvania State College, State College. Miss Kathryne M. Stanford, Librarian.

RHODE ISLAND:

Rhode Island State College, Kingston. Miss H. Alida Birch, Librarian.

SOUTH CAROLINA:

Clemson Agricultural College, Clemson College. Miss Marguerite V. Doggett, Librarian.

SOUTH DAKOTA:

South Dakota State College of Agriculture & Mechanical Arts, Brookings. Mr. Wm. H. Powers, Librarian.

TENNESSEE:

Agricultural Library, University of Tennessee. Miss Elizabeth Cheatham, Librarian.
Tennessee Agricultural and Industrial State Normal School, Nashville. Mrs. M. M. Brown, Librarian.

TEXAS:

Agricultural & Mechanical College of Texas, College Station. Mr. Thomas F. Mayo, Librarian.
Agricultural Experiment Station, College Station. Miss Pauline Elkins, Librarian.

UTAH:

Utah Agricultural College, Logan. Miss Hattie Smith, Librarian.
Utah Agricultural Experiment Station, Logan. Mrs. Blanche C. Pittman, Librarian.

VERMONT:

University of Vermont, Burlington. Miss Helen B. Shattuck, Librarian.
Agricultural Experiment Station, Burlington. (No librarian)

VIRGINIA:

Virginia Polytechnic Institute, Blacksburg. Mr. Ralph N. Brown, Librarian.
Agricultural Experiment Station, Virginia Polytechnic Institute, Blacksburg. Mrs. A. P. Cunningham, Librarian.
Virginia Truck Experiment Station, Norfolk. Mrs. Nancy D. Potter, Librarian.

WASHINGTON:

State College of Agriculture, Pullman. Mr. W. W. Foote, Librarian.
Agricultural Experiment Station, Pullman. Miss Carrie S. Hunt, Librarian.
Western Washington Experiment Station, Puyallup. Mr. Arthur Frank, Librarian.

WHO'S WHO IN AGRICULTURAL LIBRARY WORK (Cont'd)

WEST VIRGINIA:
West Virginia University, Morgantown. Dr. L. D. Arnett, Librarian.
WISCONSIN:
College of Agriculture, University of Wisconsin, Madison. Mr. Clarence S. Hean, Librarian.
WYOMING:
University of Wyoming, Laramie. Miss Reba Davis, Librarian.

U. S. DEPARTMENT OF AGRICULTURE. Miss Claribel R. Barnett, Librarian.
Readers Division. Miss Emma B. Hawks (Associate Librarian), Chief.
Catalogue & Order Division. Miss Helen M. Thompson, Chief.
Periodical Division. Miss Lydia K. Wilkins, Chief.

Bureau of Agricultural Economics. Miss Mary G. Lacy, Librarian.
Bureau of Animal Industry. Miss Mary F. Thompson, Librarian.
Bureau of Chemistry. Miss Minerva G. Beckwith, Acting Librarian.
Bureau of Dairy Industry. Miss Carrie B. Sherfy, Librarian.
Bureau of Entomology. Miss Mabel Colcord, Librarian.
Office of Experiment Stations. Miss Cora L. Feldkamp, Librarian.
Forest Service. Miss Helen E. Stockbridge, Librarian.
Bureau of Home Economics. Mrs. Eva T. Shively, Librarian.
Bureau of Plant Industry. Miss Jessie M. Allen, Librarian.
Bureau of Public Roads. Miss Orrene L. Evans, Librarian.
Weather Bureau. Prof. C. F. Talman, Librarian.

International Harvester Co., Agricultural Extension Department, Chicago. Mrs. Kathryn B. Allen, Librarian.
Massachusetts Horticultural Society, Boston. Miss Dorothy St. John Manks, Librarian.
New York State Department of Farms and Markets, Albany. Miss L. A. McNamara, Librarian.

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DOZEN ATTRIBUTES OF THE IDEAL EXTENSION WORKER

ABOUNDING FAITH in the importance of the work;
INFINITE TACT in meeting trying situations;
UNLIMITED PATIENCE in overcoming community inertia;
ENDLESS GOOD NATURE in the face of all trials;
A SAVING SENSE OF HUMOR when nothing else will meet the situation;
A LARGE VISION of the work to be done;
ABILITY TO LOSE GRACEFULLY and to rebound after each defeat;
INDOMITABLE COURAGE in standing for the right;
A GRIM DETERMINATION to see the work put through to its completion;
A CONTAGIOUS ENTHUSIASM that inspires local leadership;
UNQUENCHABLE OPTIMISM in spite of all discouragements;
UNRESERVED BELIEF IN THE IMPORTANCE OF THE FARM FAMILY TO THE COMMONWEALTH

--Vivian.

PERSONAL ITEMS

Miss Margery Bedinger, a graduate of the New York State Library School, and formerly Librarian of the U. S. Military Academy, West Point, has recently been appointed Librarian of the New Mexico College of Agriculture and Mechanic Arts. She took up her new duties the last of July.

Mrs. Crown Torrence, Librarian of the South Carolina Agricultural Experiment Station, has resigned to accept a position in the University of South Carolin Library.

Miss Louise Duvall, Librarian of the Bureau of Chemistry, U. S. Department of Agriculture, died on August 15th, after an illness of about two months. Miss Duvall had been librarian since May 19, 1920. Her loss will be severely felt.

Miss Ruth E. Smith, a graduate of the New York State Library School, has been appointed Head Cataloguer of the Rutgers University Library at New Brunswick and will take up her duties there on the first of September. She was formerly a cataloguer in the Silas Bronson Library at Waterbury, Connecticut.

Miss Marguerite V. Doggett, Librarian of Clemson College, South Carolina, is spending several months in Europe this summer. She will return in time for the A. L. A. Conference.

Miss Charlotte A. Baker, Librarian of the Colorado State College of Agriculture, is taking the A. L. A. Pre-conference trip to Europe. Miss Baker reports a large attnedance at the Library Summer School in connection with her library.

Mrs. Elsie D. Hand, Librarian of the Oklahoma Agricultural and Mechanical College, visited the U. S. Department of Agriculture Library in August on her way to New York to take the A. L. A. Pre-conference trip to Europe.

Miss Icelle Wright and Miss Margaret Walters of the Oklahoma Agricultural and Mechanical College Library, are spending several weeks in the library of the Bureau of Agricultural Economics, U. S. Department of Agriculture, in order to compile the Index of the State official sources of agricultural statistics of Oklahoma.

Miss Bess Lowry, Reference Librarian of the Iowa State College, Ames, visited the libraries of the U. S. Department of Agriculture in August.

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The Great Unknown. - A professor of history reports that a student inquired of him, "Who is this Ibid in your reference lists? We've all looked through the library for him and none of us can find him". ---American Speech.

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Buffon, the great naturalist, said: "How much useful knowledge is lost by the scattered forms in which it is ushered into the world! How many solitary students spend half their lives in making discoveries which had been perfected a century before their time, for want of a condensed exhibition of what is known."

AGRICULTURAL SITUATION (STATES) AND OUTLOOK REPORTS
A list of current periodicals issued by the states, on file in the United States Department of Agriculture

ALABAMA. Polytechnic institute. Extension service.
Farm economics. [Monthly] Auburn. Printed.
Issued by the Cooperative extension work in agriculture and home economics, Alabama Polytechnic institute, State board of agriculture and United States Department of Agriculture cooperating.

IOWA. State college of agriculture and mechanic arts. Extension service. Agricultural economics section.
Agricultural economic facts; a monthly leaflet of information on economic problems. Ames. Mimeographed.

KANSAS. State agricultural college. Division of college extension.
The Kansas agricultural situation. [Monthly] Manhattan. Printed.

MASSACHUSETTS. Agricultural college. Extension service.
Economic studies, by R. J. McFall. ... Business conditions. Amherst. Mimeographed.

MINNESOTA.
Minnesota farm management service notes. [Monthly] St. Paul. Mimeographed.
Prepared by the Farm management group at University Farm, St. Paul.

MONTANA. State college. Extension service.
Montana agricultural outlook; economic conditions and farm business notes. [Monthly] Bozeman. Mimeographed.

NEBRASKA. Agricultural college.
The Nebraska economic situation. [monthly?] Lincoln. Mimeographed.

NEW JERSEY. State agricultural college.
Monthly economic review of New Jersey agriculture. [New Brunswick] Mimeographed.

NEW YORK. Cornell university. College of agriculture. Dept. of agricultural economics and farm management.
Farm economics. [Monthly] Ithaca. Printed.

NORTH DAKOTA. Agricultural college. Agricultural extension division.
North Dakota farm outlook. [Monthly] [Fargo?] Mimeographed.

OREGON. Agricultural college. Extension service.
... Agricultural situation; a brief review of current economic, statistical and marketing information, compiled by the Extension specialist in agricultural economics. Corvallis. Mimeographed.

SOUTH DAKOTA. College of agriculture and mechanic arts. Extension service.
South Dakota monthly farm outlook. Brookings. Mimeographed.
Previous to June 15, 1925, published by South Dakota Department of agriculture cooperating with the State extension service and the United States Department of agriculture with title: Notes on South Dakota farm production costs, prices and economic problems.

VERMONT. University and state agricultural college. Extension division.
Vermont farm business. [Monthly] [Burlington] Mimeographed

NOTES ON PERIODICALS

New Periodicals

American

American herdsman. 409 Wisconsin Ave., Peoria, Ill. mo. 4°. il. v. 1, no. 1, July 1, 1926. $1.00 a year.

Entomologica Americana. a journal of entomology, published by the Brooklyn entomolo ical society. Science press, Lime and Green streets, Lancaster, Pa. quar. 8°. n. s. v. 7, no. 1, June, 1926 (resumes publication after a lapse of 36 years, the last number having been issued Dec. 1890) $4.00 a year.

Foreign

De Bergcultures. Algemeen landbouw syndicaat, Kali Besar West 2, Batavia, Java. wkly. f°. jaarg. 1, no. 1, July 3, 1926. Fl. 10 a year.

Berichte über die gesamte biologie, Abt. A. Berichte über die wissenschaftliche biologie. Berlin W. 9, Linkstrasse 23/24. semi-mont 8°. bd. 1, hft. 1/2, May 5, 1926. RM 60 a volume.

Československá akademie zemědělská. Sborník ... Annals of the Czechoslovak academy of agriculture ... Praha. quar. il. 8°. roč. 1, čís. 1, 1926. 34 Kc. a number.

Coton et culture cotonnière. Comité d'encouragement aux recherches scientifiques coloniales, 34, Rue Hamelin, Paris, France, 3 or 4 times yearly. 8°. il. v. 1, fasc. 1, Mar. 1926.

Farming in South Africa, issued by the Dept. of agriculture. Gov't printer, Pretoria. mo. f°. il. v. 1, no. 1, Apr. 1926. 6 sh. a year.

Fortschritte der landwirtschaft. J. Springer, Wien I., Schottengasse 4. semi-mo. f°. il. jahrg. 1, hft. 1, Jan. 1, 1926. M. 6 a quarter year.

Indici del movimento economico italiano con alcuni confronti internazionali. Istituto di statistica della R. Università Padova. quar. 4°. [v. 1, no. 1, 1926] $2.50 a year.

Revista Argentina de botanica. Publicación trimestrial, dirigida por Spegazzini Carlos, Calle 53, no. 47, La Plata, Argentina. 8°. il. v. 1, no. 1, Apr.1925.

World's sugar. 3, Rue de Richelieu, Paris, France. mo. f°. il. no. 1, Apr. 1, 1926. £ 1 a year.

Changed Titles

American

Farm and garden. New York, (Pub. by Woman's national farm & garden assoc.) Changed to Home acres with v. 14, no. 1, June, 1926.

Ceased Publication

American

Hampshire advocate. Peoria, Ill. Discontinued with Mar. 1926. Superseded by American herdsman, July, 1926.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during July and August, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Annual livestock market review, 1925. [By H. M. Conway] 1926. 35 p. (Issued by Marketing livestock, meats and wool division)

The average quantities and values of fuel and other household supplies used by farm families. Fuel and other household supplies furnished by the farm and purchased in one year for family living purposes by 1337 farm families of selected localities of Ohio, Kentucky, Missouri and Kansas. A preliminary report. [By E. L. Kirkpatrick] 1926. 13 p.
Issued by the Bureaus of agricultural economics and home economics and the Ohio Wesleyan university, the University of Kentucky, the University of Missouri, the Kansas state agricultural college, and The Farmer's wife, cooperating.

Changes in the utilization of land in the United States, 1919-1924. A preliminary report. [By O. E. Baker] 1926. 34 p.

Cooperative marketing of Burley tobacco. A preliminary report. By Geo. O. Gatlin. 1926. 7 p. (Issued by Division of cooperative marketing)

Cooperative marketing of tobacco in Maryland. A preliminary report. By Geo. O. Gatlin. 1926. 5 p. (Issued by Division of cooperative marketing)

Cooperative marketing of tobacco in Wisconsin. A preliminary report. By Geo. O. Gatlin. 1926. 6 p. (Issued by Division of cooperative marketing)

The business set-up of cooperatives. By Chris L. Christensen. 1926. 18 p.
An address before the second session of the American institute of cooperation, University of Minnesota, St. Paul, Minn., June 21, 1926.

The economic limits of cost of water for irrigation: Larrimer County, Colorado. By R. P. Teele and Paul A. Ewing. A preliminary report. 1926. 31 p.
Issued by the Bureau of agricultural economics and the Bureau of public roads.

The economic limits of the cost of water for irrigation: Weld County, Colorado, by R. P. Teele ... and Paul A. Ewing ... A preliminary report. 1926. 31 p.
Issued by the Bureau of agricultural economics and the Bureau of public roads.

Information on the dairy industry ... 1926. 36 p.

Supply and potential demand for milk in New York City: (1) The producer and his market, by R. E. Van Cise; (2) Supply and potential demand for milk in New York City from the distributor's viewpoint, by William H. Marcussen; (3) Factors influencing consumer demand for milk and cream, by Prof. H. A. Ross. 1926. 36 p.
Issued by the Bureau of agricultural economics and the New York food marketing research council.
Papers presented before the 3d quarterly meeting of the New York food marketing research council, March 16, 1926.

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* For a list of the principal serial publications issued regularly see the January, 1926, issue of AGRICULTURAL LIBRARY NOTES, p. 10-14.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Animal Industry

Meat production, consumption, and foreign trade in United States, calendar years 1907-1925. Rev. July, 1926. Comp. by John Roberts. 1926. 9 p.

Reactors to the tuberculin test slaughtered under meat-inspection rules. [1926] 3 p.

Report on progress of the "Better sires-better stock" campaign, twenty-seventh quarter, ended June 30, 1926, including summary for entire period of campaign, October 1, 1919, to June 30, 1926. 1926. 7 p.

Stallion enrollment and the horse-breeding situation. By J. O. Williams and S. R. Speelman. 1926. 12 p. (Issued by Animal husbandry division)

Reprint

A plan to make the country scrub-free. By E. W. Sheets. [1926?) 8 p.

Bureau of Biological Survey

Abstract of fur laws for season 1926-27. 1926. 10 p.

Aids for bird students. Publications relating to birds. 1926. 4 p. (Bi-787)

Publications of the Bureau of biological survey available for general distribution. July, 1926. 4 p. (Bi-161)

Bureau of Chemistry

Chloropicrin. Compiled by R. C. Roark ... 1926. 73 p. (Chemistry bibliography no. 1) (Issued by Miscellaneous division, Insecticide and fungicide laboratory)

Review of United States patents relating to insecticides and fungicides issued during January, February, and March, 1926. By R. C. Roark. [1926] 10 p. (Issued by Miscellaneous division, Insecticide and fungicide laboratory)

Bureau of Dairy Industry

Associations of breeders of purebred dairy cattle [1926?] 1 p. (BDIM 291)

Essay suggestions for milk for health campaigns. [1926] 7 p. (BDIM 75)

Extension Service

Agricultural extension work in the 11 western states, 1925. By Eugene Merritt. 1926. 14 p. (Extension service circular 20) (Issued by Office of cooperative extension work.

Classification key for indexing reports of extension work. Rev. Aug. 20, 1926. 1926. (Issued by Office of cooperative extension work)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Extension Service (Cont'd)

Comments on extension work in the north central states. [By] C. B. Smith. 1926. 6 p. (Extension service circular 11) (Issued by Office of cooperative extension work)

Presented at the North central states extension conference, Iowa state college, Ames, Iowa, April 26, 1926. Much of this material was also presented at the Southern states extension conference in Atlanta and at the conference of extension forces of the eastern states in Washington, D. C.

County-agent standards. By H. W. Gilbertson ... 1926. 10 p. (Extension service circular 17) (Issued by Office of cooperative extension work)

County-agent supervision. By H. W. Gilbertson. 1926. 6 p. (Extension service circular 21) (Issued by Office of cooperative extension work)

Extension campaigns. By H. W. Hochbaum. 1926. 25 p. (Extension service circular 9) (Issued by Office of cooperative extension work)

Extension work in agronomy, 1925. By O. S. Fisher. 1926. 18 p. (Extension service circular 18) (Issued by Office of cooperative extension work)

Extension work in the newer agriculture. [By] C. W. Warburton. 1926. 6 p. (Extension service circular 10) (Issued by Office of cooperative extension work)

Presented at the North central states extension conference, Iowa state college, Ames, Iowa, April 26, 1926.

The first annual 4-H club members' conference. By R. A. Turner. 1926. 12 p. (Issued by Office of cooperative extension work)

4-H club work in its relation to vocational adjustment. [By] Robert G. Foster. [1926] 23 p. (Issued by Office of cooperative extension work)

Games for 4-H clubs; tag games. By R. G. Foster. 1926. 17 p. (Extension service circular 16) (Issued by Office of cooperative extension work)

The older girl in the extension program. By Gertrude L. Warren. 1926. 7 p. (Extension service circular 15) (Issued by Office of cooperative extension work)

Points to work for in children. 1925. (Issued by Office of cooperative extension work)

Selected list of books for use in 4-H club work. [By] Gertrude L. Warren. Rev. June 23, 1926. 1926. 10 p. (Extension service circular 12) (Issued by Office of cooperative extension work)

Some fundamentals of extension teaching. By A. B. Graham. 1926. 7 p. (Extension service circular 19) (Issued by Office of cooperative extension work)

Statistical results of cooperative extension, 1925. By M. C. Wilson. 1925. (Extension service circular 8) (Issued by Office of cooperative extension work)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Extension Service (Cont'd)

Use of fundamental principles of teaching in extension work. [By] A. B. Graham. 1926. 8 p. (Extension service circular 13) (Issued by Office of cooperative extension work)

Forest Service

Meade national forest, July 1, 1926. By L. S. Gross. 1926. 5 p.

Bureau of Home Economics

Score cards for judging textiles and clothing. 1926. 18 p. (Prepared by Division of textiles and clothing)

Office of Information

Note to the editor. [1926] 12 p. (Issued at the International Sesqui-centennial exposition, Philadelphia, by the Press service)

Bureau of Plant Industry

Castor beans, By W. W. Stockberger ... 1926. 3 p. (Issued by Office of drug, poisonous and oil plants)

Chicory and endive. By C. J. Hunn. [1926] 4 p. (Issued by Office of horticulture)

How teachers may use publications on the control of black stem rust of small grains by the eradication of the common barberry. By Noel F. Thompson and Donald G. Fletcher. [1926?] 7 p. (Issued by Office of Cereal investigations)

Reprint

The cultivation of mushrooms. (Adapted from Farmers' bulletin 204) 1924. 12 p. (Issued by Office of pathological collections)

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS.

Vol. 1, No. 9/10 September/October, 1926

AGRICULTURAL LIBRARIES SECTION MEETING

The meeting of the Agricultural Libraries Section of the American Library Association at Atlantic City was one of the most successful meetings which the Section has held. A full account of the meeting by the Secretary, Miss Mary G. Lacy, appeared in the Library Journal for November 1, 1926, pages 963-964, but since this may not have come to the attention of all agricultural librarians it was thought desirable to include in "Agricultural Library Notes" the following abbreviated report based on Miss Lacy's report.

The Agricultural Libraries Section was called to order at 2:30 p.m. October 1926, by the Chairman, Miss Lucy M. Lewis, Librarian of the Oregon Agricultural College. Miss Lewis in her introductory remarks stated that the keynote of the meeting was present trends in agricultural library work. She recalled the meeting of the previous year at Seattle and noted some of the undertakings which have been accomplished as a result of the recommendations at that meeting. Among them she spoke of "Agricultural Library Notes" which she said had been of much assistance to agricultural libraries. She urged a greater degree of cooperation in its preparation on the part of all agricultural libraries. She then introduced Mr. Charles H. Brown, Librarian of the Iowa State College, whose valuable and stimulating paper on "Some Objectives for Agricultural Libraries" is included on pages 122-123 of this number. Following Mr. Brown's paper there was an animated discussion of the methods and amount of time devoted to the instruction of students in the use of the library, which developed the fact that instruction in the use of the library varied from one semester hour for all freshmen to two groups of lectures, five in the fall and five in the spring. It was agreed that such instruction was an important matter but was a very heavy burden for the poorly manned agricultural library. The discussion also developed the point that this work has an important bearing on teaching students to make proper bibliographic entries for theses, and saves much time in the long run for students, library workers and instructors.

Mr. H. O. Severance of Missouri brought up the matter of the great need for a centralized distribution agency in institutions which issue publications of any kind. He introduced the resolution following which was duly seconded and passed without dissent: WHEREAS it becomes necessary for librarians to write to several departments of some universities for the acquisition of their publications such as bulletins, studies and monographs, instead of to a central agency, be it RESOLVED by the Agricultural Libraries Section of the American Library Association that it request the librarians of such universities and colleges to make an effort to secure the centralization of the distribution of their publications so as to facilitate the acquisition and distribution of such publications.

In the absence of Miss Grace Derby of Kansas, the Chairman asked Mr. Lewis of New Hampshire to read a statement which Miss Derby had sent as a contribution to the discussion of Mr. Brown's paper. It outlined the work being done at the Kansas Agricultural College and was entitled "Agricultural College Libraries and Radio Broadcasting". A press release giving an abstract of this paper was sent out by the A. L. A.

AGRICULTULTURAL LIBRARIES SECTION MEETING (Cont'd)

The next speaker on the program was Mr. James G. Hodgson, Librarian of the International Institute of Agriculture, who gave an interesting account of the library of that institution and its recent reorganization under his direction. This was followed by a report of progress on the compilation of the "Indexes to the Official Sources of State Agricultural Statistics" by Miss Margaret T. Olcott, Assistar Librarian of the Bureau of Agricultural Economics, U.S.Department of Agriculture.He report, in slightly abbreviated form, follows.

"Fifteen months have passed since the Agricultural Libraries Section decided at its last meeting to further in every way possible the indexing of the state official agricultural statistics of the various states. During that period the actual accomplishment has been as follows:

"Alabama. The index for Alabama has been made, mineographed and 500 copies distributed. This first edition is almost exhausted and a new run has been asked fo

"Oklahoma. The Oklahoma index is practically ready for editing and typing. Oklahoma was the first state to send some one to Washington from its state agricultural library to compile the index to its agricultural statistics. Miss Icelle Wrig Assistant Librarian of the Oklahoma State Agricultural College, worked in the library of the Bureau of Agricultural Economics from the first of July until the middle of September - ten weeks and two days of intensive work - and finished the indexing with the exception of a few items which she may secure from the files of the State Department of Agriculture. We do not know how long it will be before this index will be available. It will be printed by the Oklahoma Agricultural College. Miss Margaret Walters, Reference Librarian of the same institution, joined Miss Wright for two weeks and compiled an annotated list of the unofficial sources of agricultural statistics in the state. This list will accompany the index.

"California. Indexing California's agricultural statistics is a colossal task. Miss Louise O. Bercaw of the library of the Bureau of Agricultural Economics has been working intermittently for almost a year, indexing the official statistics. The amount of material thus compiled is already greater in volume that Alabama and Oklahoma combined and Miss Bercaw thinks it is not yet half finished. We had hoped to have this California index finished by the end of this year but we are beginning to fear that this hope is doomed to disappointment. California is one of the states whose unofficial statistics are extensive and important. They are being indexed by Mrs. M. J.Abbott, Agricultural Reference Librarian of the University of California, and her assistants. A letter from Mrs. Abbott dated September 23, 1926, says: "Concerning our work on the 'Unofficial Sources of California Agricultural Statistics' I can report that we have about finished the first draft of our compilation."

"Idaho. A preliminary list of the sources of the agricultural statistics of Idaho has been compiled in the library of the Bureau of Agricultural Economics. It was compiled as an exhibit of the type of list which it might be possible for each agricultural college library to make as a preliminary to the detailed index. Though in no sense taking the place of the detailed index, we think that such a list is better than nothing for the economist and statistician as well as for the librarian. We will distribute to you at the close of this report mimeographed copies of this list and we hope that those present will examine it with care and let us know what they think of the value of such preliminary lists.

"Maryland. A survey of Maryland prices of agricultural and other products was planned by one of the divisions of the Bureau of Agricultural Economics and the library was asked to supply a list of the sources where such prices would be found. In compiling this list quite a start has been made towards a preliminary list similar to the one for Idaho.

AGRICULTURAL LIBRARIES SECTION MEETING (Cont'd)

"So much for progress actually made. Compared with what we hoped for it seems discouragingly small. We must not fail, however, to take courage from the reception accorded Alabama, the only published index. ... Comments received show that these indexes to the agricultural statistics of the states are really needed by the men and women who are working at close hand with the problems of agriculture. It is no merely academic proposition. In pushing it in every way possible a direct service is being given."

The Chairman then asked Miss Barnett to read the report of the Committee on the Eunice Rockwood Oberly Memorial Fund Prize. This report is included in the printed volume of reports of the A.L.A. "Separates" are available on application to Miss Barnett. Bibliographies presented in competition for the Oberly prize for the best bibliography in the field of agriculture or the related sciences prepared during the past two years should be sent to Miss Barnett by December first.

The Chairman then asked for the report of the Nominating Committee which consisted of Miss Kathryne M. Stanford, Chairman, Miss Mabel Colcord and Miss Alice C. Atwood. The slate they brought in for the coming year was Miss Clarissa R. Barnett for Chairman and Mr. W. P. Lewis for Secretary. It was moved and seconded and unanimously carried that the report of the Nominating Committee be accepted.

It is of interest to note that 19 states were represented at this meeting by librarians from the land grant colleges and experiment stations, besides librarians from other states and several foreign countries.

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DUPLICATES OF AGRICULTURAL PUBLICATIONS

Prof. Donald Reddick, Department of Botany, New York State College of Agriculture, Ithaca, who describes himself as "not a librarian but one interested in finding what he wants when he wants it", has sent the following interesting and valuable suggestions regarding duplicates:

"For goodness sake, don't ever suggest that duplicates of U.S. agricultural publications be discarded, at least not those that contain serious scientific work! The logical place for these duplicates is the archives of the issuing station. If there is any station that does not welcome the return of duplicates it is simply because the administration is undermanned and must slight the work at some point; the only other possibility is that the administration is in need of reorganization. Of course, if the distribution of contributions to knowledge is placed in the hands of an 'efficiency expert' who thinks his 'job' depends upon 'keeping the shelves cleared' there is little use to return duplicates. In such a case the duplicates might be offered to some unfortunate institution like Clemson, or Auburn, or Baton Rouge, where libraries have been destroyed by fire. In some places, there is as yet no trained librarian. The books are kept in order as a side issue to stenography or bookkeeping. With such institutions, patience must be exercised, until there is a change in administration. Eventually a librarian will be put in charge who will recognize the trading value of such publications. In the meantime the return of duplicates may help to call to the attention of the administration a waste of funds which might prove sufficient to maintain a librarian. Any librarian who will take the trouble to circulate a list of offers among the scientific staff will find plenty of items checked. There is always a bibliophile in any group of a dozen workers and ofttimes two or three. It is these workers that use the books and bulletins and it is they that will back to the limit of their ability any effort on the part of a librarian to complete sets and build up the library."

NOTES ON BOOKS AND BIBLIOGRAPHIES

The "Manual of Plant Diseases" by Frederick Deforest Heald, of the State College of Washington, is a recent addition to the literature of plant pathology. It is a book of 891 pages and is published by the McGraw-Hill Book Company in the series of "McGraw-Hill publications in the agricultural and botanical sciences". It is illustrated and contains copious bibliographies scattered through the book. The following extract from the preface explains the scope of the book: "Fifteen years ago the plant pathologists of America welcomed the appearance of 'Fungous Diseases of Plants', by B.M.Duggar, as the first general text or reference book of American origin to occupy the field. Although a number of books have since been written covering special phases of plant pathology, no general manual has appeared to serve as a guide in classes in general plant pathology, which has now become an accepted part of the agricultural curriculum. The pressing need for a modernized book for use in the author's classes was the motive that prompted the preparation of this book. ... An attempt has been made to present a view of the whole field of plant pathology, including environmental and virus diseases as well as those of bacterial and fungous origin."

"Enzymes, Properties, Distribution, Methods and Applications", by Selman A. Waksman of Rutgers University and Wilburt C. Davison of Johns Hopkins University, has recently been issued by Williams & Wilkins, Baltimore. It contains an extensive bibliography of 78 pages.

"Research in Progress at the University of Minnesota, July, 1924-July, 1925" is the title of an impressive bulletin of 306 pages recently issued as University of Minnesota Bibliographical Series No. 3.

A list of selected references to scientific contributions made during the past five years to the knowledge of the factors influencing the properties of soil moisture is appended to an article by R.W.Trullinger entitled "The Engineer and the Soil, an orientation for reclamation", which appeared in "Agricultural Engineering" for July, 1926, Vol 7, No.6, pp.244-245. The list contains 99 references.

"Honey Bees and Fairy Dust" is the title of a delightful book written by Mary Geisler Phillips, wife of Dr. E. F. Phillips, who is well known by beekeepers throughout the world. Although the message of the author is clothed as a fairy story appealing especially to childern, it is at the same time an accurate account of the life of the bee, together with considerable information as to beekeeping practice. It is a strong appeal to the imagination of children as well as grown-ups, yet it is accurate in both the scientific and practical phases of beekeeping presented. The book is published by Macrae-Smith Company, Philadelphia. - From Gleanings in Bee Culture, October, 1926, page 637.

"Rain Making and Other Weather Vagaries", by W.J.Humphreys, published by the Williams and Wilkins Co., Baltimore, in 1926, contains a chapter on "Moon Farming" which might be added to the list of "References on the Influence of the Moon on Vegetation" published in "Agricultural Library Notes" for May, 1926 (v.1, no. 5). Dr. Humphreys classes the belief in the moon's influence on agriculture as one of the "weather vagaries".

Circulars have been received announcing the forthcoming publication of "Butterflies of California" by Dr. John Adams Comstock, 501 Edwards-Wildey Building, Los Angeles, California. It will be illustrated with 33 full page colored plates.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

Announcements have been received stating that the Proceedings of the First International Forestry Congress held in Rome April 29 to May 5, 1926, will be published in the course of 1926 by the International Institute of Agriculture and will form five octavo volumes of about 3,500 pages in total. The price of the complete work will be L.300, with the following special subscription rates: Advance orders booked before November 30, 1926, L.250; Members and associate members, L.175.

The organization and work of the International Institute of Agriculture at Rome are of interest to all agricultural librarians, who will, therefore, welcome a new pamphlet of 142 pages by G. de Michelis, President of the Institute, entitled "L'Institut international d'Agriculture; son programme et son activité; exposé général présenté à l'Assemblée générale de 1926." A short discussion of the Institute's library occurs on p. 28-29.

Volume 14 of the Catalogue of Public Documents, issued by the Superintendent of Documents, Government Printing Office, has just appeared. It covers publications of the two years March 4, 1917 to March 3, 1919. Listing, as it does, the War period, it is an unusually thick volume containing 2705 pages. It contains the usual helpful lists of governmental authors, one alphabetical and one classified.

Special attention is called to the mimeographed publication listed in this issue from the Bureau of Agricultural Economics entitled "Sources of facts about cotton production, marketing, and other economic statistics from Federal sources". The foreword says "This is one of a series of compilations giving sources of statistical information about leading agricultural products in official publications. In these lists an attempt will be made to classify the information under generally recognized divisions and give the references to where this information may be found. Only sources which are readily available to workers in the states away from complete libraries are included. ... While this material is prepared especially for the use of extension workers and county agents, it is hoped that many other workers will find it of value". References are largely to the Yearbooks of the Department, to Crops and Markets, and to Census publications.

Three new supplementary volumes of the Encyclopaedia Britannica are just out. Most readers of the publishers' announcement of the "Thirteenth edition" would conclude that the encyclopaedia had been revised and issued in an entirely new edition but this is not the case. The last thorough revision is the Eleventh edition, published in 1911. The "Twelfth edition" was formed by the publication of the three supplementary volumes in 1922, and the "Thirteenth edition" is merely the Eleventh edition plus the three volumes just published. We are told that some changes have been made at this time in the original volumes. How extensive these are we do not know, but we can not help feeling that the publishers' circular is designed to conceal rather than set forth the real facts. According to the prefatory note to the present volumes, they are "an entirely new survey of the march of events, the progress of knowledge and the innumerable changes of the world's aspects, thoughts, activities, in the years from 1910 to 1926. ... In one way the supplementary three volumes issued after the World War will always keep irreplaceable value as an aid to the future historian and social investigator. They are exhaustive as a record in minute detail of the War itself and every subject connected with it. ... Every day during the last five years has expressized the need for ...[a] more comprehensive undertaking."

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"The Stanford Research Index Card" is the title of an interesting article by W.R.Miles in "Science" for September 10, 1926, page 251, giving a description of a printed blank form for gathering scientific references and abstracts. In concluding his article Mr. Miles says: "The card described may aid librarians who have charge of scientific collections as well as assist the student or research worker in making 'enough of a note' to save repeats in looking up references. It will promote the making of more exact and practically useful abstracts and perhaps may thus reduce a little the scientific burden."

One of the recent Lieferungen (Lfg.198) of the monumental work entitled "Handbuch der biologischen Arbeitsmethoden", edited by Emil Abderhalden, is devoted to "Methoden zur Ordnung biologischer Institutsbibliotheken". It comprises pages 976 to 1032 of Abteilung 5, Teil 2 of the work, and takes up the different phases of library management with a considerable degree of fullness, treating of accessioning, bindery records, alphabetical catalogues, subject catalogues, and classification notation. It includes suggested schemes of classification for biology, a list of abbreviations, and a Russian transliteration table.

Dr. Walther Horn, Editor of "Supplementa Entomologica", has published in no. 12, March 15, 1926, a list of the entomological collections of the world which have passed out of the possession of the original collector. Beginning this monumental task in 1910 as a card catalogue for personal use, industrious correspondence has produced a list of over 3,000 collections at the end of sixteen years. - From Journal of the N.Y.Entomological Society, v. 34, no. 3, p. 286, Sept. 1926.

The "List of Technical Workers in the Department of Agriculture, 1926", has recently been issued as Miscellaneous circular no. 73 of the Department. This is a companion bulletin to Miscellaneous circular no. 58 entitled "Workers in Subjects Pertaining to Agriculture in State Agricultural Colleges and Experiment Stations, 1925-1926". These two lists were formerly issued in a single bulletin but for the past few years they have been separately issued.

In the list of new mimeographed publications issued by the U.S.Department of Agriculture during September and October are included several brief reference lists. The Bureau of Biological Survey has issued two lists with the following titles: "Publications on Fur and Fur Animals", and "Publications on Attracting Birds". The Office of Grain Investigations, Bureau of Agricultural Economics, has issued a list of the publications prepared by that office. The Bureau of Soils has issued two useful lists of its publications, one comprising all publications that are still available for distribution and the other comprising those publications the supply of which is exhausted.

Results of a questionnaire as to book needs of rural women in New York State are given in "New York Libraries" for August, 1926, p. 109.

"Farm and Fireside begins Fiftieth Year" is the title of an article in the October issue of "Farm and Fireside" on the history of this well known farm journal.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"The Expansion of Rural Life, the Social Psychology of Rural Development", by Dr. James Mickel Williams, is an interesting recent contribution on the subject of rural psychology. It is the second of a series by the author on rural development. As stated in the preface, the first, "Our Rural Heritage", had to do with the rural population of New York State in the first period of development, that is, up to about 1874. "The Expansion of Rural Life" contains the analysis from that date to the present.

"A Guide to the Printed Materials for English Social and Economic History, 1750-1850," by Judith Blow Williams, which has recently been issued in the series entitled "Records of Civilization: Sources and Studies", devotes 38 pages to the literature of agriculture during the period covered. The entries are followed by descriptive notes.

"Farm Youth, A Selected List of References to Literature issued since January, 1920" compiled by Margaret T. Olcott and Louise C. Bercaw, under the direction of Mary G. Lacy, Librarian, Bureau of Agricultural Economics, U.S.Department of Agriculture, has recently been issued by the Bureau as Agricultural Economics Bibliography no.17. It was prepared by request for the use of the American Country Life Association at the Ninth National Country Life Conference, Washington, D.C.,November 10 to 14,1928. It contains 40 pages.

"The Handbook of Rural Social Resources" edited by Henry Israel and Benson Y. Landis, has recently been issued by the American Country Life Association. "Needed Readjustments in Rural Life", the Proceedings of the eight National Country Life Conference at Richmond, Va., in 1925, has also recently been issued by the Association. The address of the headquarters of the Association is 1849 Grand Central Terminal, New York City.

"A Short Survey of the Economic Development of England and the Colonies, 1874-1914", by Charlotte M. Waters and published by Noel Douglas, London, in 1926, contains a chapter on agriculture on pages 23 to 42.

Price Fixing by Governments, 434 B.C. - 1926 A.D. A Selected Bibliography, including some references on the principles of price fixing, and on price fixing by private organizations, compiled by Mary G. Lacy, Annie M. Hanney, and Emily L. Day, Library, Bureau of Agricultural Economics, is now in press. It will be issued as Agricultural Economics Bibliography no. 18 of the Bureau of Agricultural Economics.

Libraries having a demand for information on cooperative undertakings in foreign countries will be interested in a book entitled "Cooperative Ideals and Problems" by Anders Orne, translated from the Swedish by John Downie and published in Manchester, England, by the Cooperative Union Limited.

"Wheat Studies of the Food Research Institute", vol. 3, No. 1, entitled "American Importation of Canadian Wheat", has just been issued by Stanford University. Following is a list of the contents: Volume and classes of imports; Importation for export of flour; Comparison of American and Canadian Spring Wheats; Manufacturing considerations affecting imports for consumption; Transportation factors; Relevant price comparisons; Summary and conclusions; Appendix tables.

SOME OBJECTIVES FOR AGRICULTURAL LIBRARIES

by Charles H. Brown, Librarian, Iowa State College. *

The fiftieth anniversary of the American Library Association offers an oppor tunity to look toward the future as well as toward the past. A review of work well done should prove to all of us a stimulus to study the work still to be done and o the field not yet covered. In research, the statement has been made that as the ci cle of knowledge increases, so the field to be covered by research also continuall; ompands. A study in the last few years of the ultra-violet ray has thrown open a thousand fields for research where only ten existed before. So the progress of th libraries in the last fifty years has shown a vision of opportunities far in excess of those accomplished or even known in the past. The future is a challenge.

These possibilities apply, of course, to all libraries and all forms of libraries. Certain of them apply to the libraries of the somewhat misnomed agricultural colleges more than to those of other groups. Agricultural colleges are relativ ly recent in their development. They can not point to centuries of growth and expansion. Their libraries have not had the opportunity for obtaining adequate collections as have the great universities. The foundations which have long since bee laid by the older universities are still in the excavating stage in many agricultur al colleges. Much time and energy must be given to the education of legislators, o State boards of education and college faculties, in order to obtain necessary funds and support. Many sets acquired long ago by older Universities at relatively low prices must now be bought at greatly increased costs by the newer college libraries We are young; our life is in the future; but the field and its possibilities can be clearly seen. To a large extent, the field is one that is distinctively our own, which can not be covered by other agencies, and is decidedly different in its scope from that of any other type of libraries.

I said that the term "agricultural libraries" is a misnomer. The average agricultural college covers courses in nearly all branches of engineering, home economics, veterinary medicine, public health, roads and road engineering, economic pure science, etc. I am using the term "agricultural libraries" to include those libraries serving the group of colleges and universities functioning under the Land grant act. These libraries also include within their field the engineering and agricultural experiment stations and extension departments associated with such colleges and universities.

The functions of agricultural libraries can not be considered apart from the functions of the universities and colleges which they serve. Some of these functions may be listed as follows, the more important being named first; Instruction of undergraduates; instruction in methods of research, etc., of graduate students; research of faculty and graduate students; service to citizens of the state, especially farmers and those in rural communities; service to the industries of the state and to various organizations whose work is related to the activities of the college; service outside of the state in the general advancement of knowledge; service to alumni. The libraries have a place in each one of these divisions. It is interestin to note how far we still have to go before we can say we are satisfactorily coverin the library possibilities in any one of these seven branches. I have, therefore, made under each of these functions simply a list of some points which apparently our libraries as a whole are not satisfactorily covering.

The need of library facilities by undergraduates is not a problem peculiar to agricultural libraries. It belongs to the whole field of all universities and colleges. There is, however, one characteristic of agricultural student groups which can not be ignored. Most of the students of agricultural colleges come

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*Read before the Agricultural Libraries Section, Meeting, A.L.A. Conference, Atlantic City, on October 8, 1926.

from rural communities where there are no library facilities. A survey showed that less than 10 per cent of the boys who come to Ames had ever used a public library. They come from homes where there are few facilities for reading, from communities where no public or high school libraries are available. They, therefore, need more direction and more encouragement in their reading and more instruction in the use of books and libraries than students of liberal arts colleges.

So far, I doubt if any of us would feel that our instruction in the use of books is on a satisfactory basis. It is difficult to find any two universities who agree in their practices in regard to instruction in the use of books and libraries One university has an elective of three hours per week for a quarter for freshmen; another requires one hour per week for all freshmen of certain divisions; a third gives no instruction whatsoever. Apparently, the courses on the use of libraries i various universities and colleges have followed the line of least resistance. In some cases, instruction is given by the library staff and in other cases by the English department, and in a third case certain library instruction is given by the Vocational Education Department. It is believed that this is a problem for agricultural libraries to solve and to solve it so that any student who finishes one year of work at an agricultural college will have an elementary knowledge of the use of books and libraries. Certainly there is room for a survey of the desirability of instruction in the use of libraries, in the subject matter of the course, in the number of semester hours needed and as to whether such a course should be required all freshmen. I, personally, would rather have less hours and have a course require of all students than to have a greater number of hours and to have the course elective. Our experience has been that those who usually elect are those who need it th least.

There are many other questions in connection with the undergraduate use of the library which need more emphasis and more development, as for example, relation to the honor courses now coming into vogue; methods of interesting students in books and periodicals, elective courses in book reading, - a score can be named. Enough, however, have been mentioned to indicate some of the possibilities.

For convenience, I have grouped together functions 2 and 3 on my list, - the instruction of graduate students in research method and the research work of faculty and graduate students.

Any study of theses for masters' degrees and possibly for doctors' degrees at almost any agricultural college, and any survey of the publications of almost any agricultural college will show a great lack in the bibliographic understanding of graduate students and of some members of the faculty. Bibliographical references are in some cases absolutely unintelligible. I have seen more than once our old friend "Ibid." turn up as an author in a thesis presented for a master's degree. Many scientific journals have issued a manual of bibliographical procedure. The instruction of graduate students in the methods of bibliographic research and the accurate use of bibliographic tools remain unsolved by most of our institutions; yet, certainly some instruction is needed. Our experiment station bulletins are among the worst sinners in their misuse of good bibliographical form. A letter received last week puts the case forcibly. "Bibliographically considered, college publications are an awful mess." Yet this is a field in which we librarians are supposed to have specialized. From the standpoint of bibliography, agricultural publications are woefully lacking when compared with the journals of pure science.

Our direct aid to research in the supply of necessary material has suffered on account of our youth. We could not, or did not, build up our collections when the building was easy. Now it is difficult. Furthermore, precedent is

against us. It is not easy to ask a president for an increase in your book fund from thirty to sixty thousand when he can turn to back reports and say, "Why, Mr. Brown, only five years ago you had only five thousand for books". Nevertheless, this material must be bought if research is to go on. The Purnell bill will mean an increased emphasis on research in all our land grant colleges. If the publications in the field covered by our institutions increase in the future as they have in the past, we shall have to limit our fields and decide which of us will attempt to build up exhaustive collections on certain subjects and which on others. I think it goes without saying that research in agriculture and home economics is absolutely dependent in practically every case on the pure sciences. Scientific journals are expensive. The necessary material for research can not be purchased as cheaply as could be done some years ago. We have far to go in the education of our legislators, boards of education and faculties if we are to supply the books and periodicals needed as the foundation of research. Much larger book appropriations will be required before the service which ought to be rendered by the agricultural librarian can be performed.

Very few institutions can boast that their systems of exchanges are on a satisfactory basis. Very few of our colleges and universities have organized any sort of general clearing house for intercollegiate exchange. It is necessary to write to many publishing departments to obtain desired publications. A bulletin of a school of education can not be obtained from the library. Application must be made directly to the school of education and they are not going to offer an exchange except for publications within their scope. If the time ever comes that the librarian will have charge of all library exchanges, much time and correspondence will be saved. It goes without saying that exchanges could be on a "quid pro quo" basis.

We also have far to go in the supply of adequate assistance in research to faculty and graduate students. With an ever widening field, it is not sufficient for the library staff to know languages, and library methods. They must have some special knowledge of the subject matter covered by the various departments in the college. It may be easier to train chemists, physicists or zoologists in library methods than to take undergraduates with a knowledge of library work and give them training in chemistry, physics, etc. There is a need of representatives on the library staff who have an understanding from personal experience of the methods in research of the various departments of our agricultural colleges. Such library assistants would be an invaluable aid in the work of the college.

Our group of agricultural colleges has emphasized and is emphasizing their service to farmers and to rural communities. They admit certain claims which farmers have upon them. In many states there are county agents closely connected with the state colleges. Our institutions are offering extension courses, including those by correspondence and by radio; we are sending out members of the faculty for lectures, for the organization of clubs for debates, for the development of country theatres. We are supplying experts on certain problems connected with industrial organization, and production facilities; we are furnishing advice to organizations in the whole wide range of activities from engineering and roads to dairying and cooperative marketing. Has the library any place in these activities? If so, what? How are we filling the place which libraries and books should occupy in this wide range? For instance, some colleges are giving homemakers courses over the radio. To what extent are we emphasizing books in the various short-courses for homemakers? How far do books and reading come in? In the various courses and talks on child study which are given by our various extension departments, to what extent is the reading of children emphasized? How many book talks are given by the library staffs of agricultural

SOME OBJECTIVES FOR AGRICULTURAL LIBRARIES (Cont'd)

colleges by means of the radio? How far do we feel ourselves responsible in actually assisting the work our colleges and universities are doing in these many and widely differentiated lines?

Librarians of agricultural colleges have a field that in many cases is not available to other libraries. Most of our colleges have broadcasting stations which can be used for encouragement of reading, for book talks, without cost. In many large colleges, short-course week brings farmers from all over the state to the campus. In one week last spring, 7,500 farmers visited Ames. They were given much instruction in the raising of pigs and cows; but very little in the raising of children. How far are we using this opportunity for talks on home libraries and children's books? In many of our states we have made a beginning. Oregon has given a series of radio talks on books and reading. The University of Michigan has developed package libraries for debaters, etc. Most of us have made some beginning, but it is not much more than a beginning. A state-wide work must of course, vary in different communities. In California where there is a system of county libraries, the details would naturally be different from Iowa with no library facilities readily accessible in much of the state. Mr. Windsor can tell a man from Du Page county that he can go to Chicago and obtain a book from the Crerar library. I can not tell a man in northwest Iowa that he can go to Chicago and get a volume which he needs for research and which is in the field covered by Iowa State College.

I do not say that we should turn our college libraries into circulating collections of books to be loaned all over the state. I do say, however, that we are just as much responsible that library facilities be made available to farmers and those in rural communities in our states so that the farmers should be supplied with information on the best methods of growing corn. We, as professional librarians, have some duty toward the development of public library facilities in our states, of county libraries, and of the work of state library commissions. Our direct service may be limited to the loan of unusual books, to general book publicity, to the stimulation of reading through radio talks, lectures, short-courses, homemakers week, etc. Certainly no course for homemakers is complete if it ignores books in the home and the reading of children.

Most of our colleges are now giving much attention to industrial management and to the industrial development of our states. Many industrial concerns now have research departments. These departments look to the college for advice, for help and for the loan of laboratory material. In many states there are no large libraries available in the state except those of the state college or the state university. This need for library facilities will not be met at all unless the state college supplies it. The state library commissions can supply general reading matter. They can not, however, supply research material. This is a field which belongs distinctively to the agricultural group.

In the general advance of knowledge outside our home states, we are now rendering some aid through interlibrary loans. In the future, we shall probably attempt to limit certain fields in which we collect material and rely on other libraries for the loan of certain exceptional publications not often used. If the University of Minnesota will build up an exhaustive collection of books on wheat, we can borrow the exceptional publications from them and will reciprocate by loaning them from our exhaustive collection on corn. Of course, the most used publications, both of us will need. The service rendered by the Department of Agriculture and the Surgeon General's Office in the loan of material has proven invaluable to research.

In the case of alumni, there have been many proposals for alumni reading lists, etc. How far these have succeeded, I do not know. Possibly alumni living

SOME OBJECTIVES FOR AGRICULTURAL LIBRARIES (Cont'd)

in large cities need no help from college libraries. A large proportion of alumni of agricultural colleges are so placed that they do not have available certain material needed professionally for their research work and for their study. In some individual cases, certain aid has been given. It remains to be seen how far such service should go and along what lines it should develop.

The solution of all of these projects is beyond my ability. I wish I could say that there was one item on this list which Iowa State College was performing to my satisfaction. There is not one.

I should like to see a closer union of the libraries of the land-grant colleges in the way of exchange of information. If one library goes forward in any line, it helps all the rest of us, if we know the facts and can use the information. The generous book appropriations of the University of Illinois can be used to show the funds needed by other schools if adequate library facilities are to be supplied. The radio programs given by the library staff of Oregon Agricultural College may show that what is good in Oregon may also be worth while in Iowa. The fact that certain universities require all freshmen to take some library instruction might indicate it would be worth while for our particular college also to require some library instruction for freshmen. I would like to see Agricultural Library Notes expanded with more notices of new developments in various libraries. It is of course up to us to put some work on it. I wish that the attractive radio program of the Oregon Agricultural College could have been sent to all land grant colleges as an example of what a library staff can do. Possibly some committees of this section could make a study of certain activities such as instruction of freshmen, exchange of publications, bibliographic form, radio material, etc., and report from time to time as to what is being done. The greatest incentive to progress, I have found to be the example of other institutions.

The publication of Agricultural Library Notes is a big step forward and it offers an exceptional opportunity if we are only wise enough to make use of it. If you can see some of the possibilities of our field as I see them, I am sure that you will agree with me in my last wish for all of us that we have "The strength of twice three thousand horse that seeks the single goal".

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SPECIAL LIBRARIES AND INFORMATION BUREAUX

The leading article in "Nature" for October 16, 1926, entitled "Books, Libraries and Languages", gives an interesting account of the work of the third conference of the Association of Special Libraries and Information Bureaux held recently at Oxford. It gives special attention to the paper by Dr. J.E.de Vos van Steenwijk on the subject of international scientific bibliographies and information bureaux and to the paper by Mr. J.G.Pearce on "A National Intelligence Service" in which he raises the question as to what is the most efficient method by which scientific and technical workers may receive early information about the discoveries and new developments in the subject in which they are concerned. The language difficulty in the dissemination of scientific knowledge was also discussed. The suggested solution of one of the speakers was the adoption of an international auxiliary language for international abstracts and bibliographies. The editor's comments on this suggestion were as follows: "If the world were ruled by reason (which it is not, and probably never will be) an international auxiliary language would have been adopted many years ago; it remains to be seen how far civilisation will succeed in promoting the dictates of reason against the opposition of instinctive tendencies and age-long prejudices."

RECLASSIFICATION OF THE LIBRARY OF THE NEW MEXICO COLLEGE OF AGRICULTURE AND MECHANIC ARTS

by Margery Bedinger, Librarian.

In reorganizing the library of the New Mexico College of Agriculture and Mechanic Arts, I have decided to use the Library of Congress Classification for Agriculture and Engineering books, and probably for the other classes, except Biography and Literature; here I shall use the B and Cutter number for Biography, and a simplified arrangement of Dewey 800 for Literature.

While reorganizing the U. S. Military Academy at West Point, I found it was perfectly feasible to use the Library of Congress Classification for one class and the Dewey Decimal Classification for others.

Periodicals will not be classified at all but will stand grouped according to the departments which use them, and then alphabetically by title. Government documents, for we are a government depository, will be arranged by themselves according to the Superintendent of Documents' classification, and state publications by themselves arranged alphabetically by state. The publications of foreign governments will also be arranged by themselves alphabetically by country.

The Library of Congress Classification has been chosen because it is so much fuller then the Dewey and arranged so much more logically. The numbers for a fairly large collection, where many sub-divisions are needed, will not be, I believe, any longer than if the Dewey were used, and the arrangement on the shelves will be far more satisfactory. The fact that the Library of Congress cards contain the classification numbers is an additional argument. But the chief reasons are that there are so many books which do not readily find numbers under the Dewey system and because under this classification the subjects get bunched up, owing to the limitation imposed by having only ten sub-divisions under each group. Again, this limitation of sub-divisions frequently necessitates scattering, as in the case of Engineering; the number for building trades, which should be with the Engineering books, is separated from them by all of Agriculture, Home Economics, Commerce, and Industrial Chemistry, a thing which is very hard to explain to a practical engineer.

My own feeling about the two classifications, after experience in a large public library, a special library in a manufacturing concern, a college library, and a combined college and agricultural school library, is that for a small general collection, such as one would find in a small public or high school library, the Dewey Classification works well, but as soon as a library reaches twenty-five or thirty thousand volumes, and especially if it deals with scientific material, the Library of Congress Classification is much the better.

However, as I said before, if there is a certain class for which it is felt that a certain classification is better, for example, the Dewey Classification, and the remainder of the collection is classified under another system, for example, the Library of Congress Classification, I have found no reason why the two classifications should not be used together.

NEW LIBRARY BUILDING AT THE SOUTH DAKOTA STATE COLLEGE OF AGRICULTURE

By Wm. H. Powers, Librarian.

A description of this building might well be prefaced by a history of the need and the effort to meet that need at State College. Yet since those distressful years are now past, the account of them may be brief. There is no need to dwell upon the disappointment felt when in 1911 it was determined to allot no place to the library in the new administration building but to strike for a separate library building; upon the crushing force of the war that forced all efforts to be bent toward success in war; upon the high hopes dashed of a building that should be a memorial to the state's heroic warriors; upon the hard program of retrenchment made necessary after the inflation period. At last the end was reached with the establishment of the luxury tax in 1925.

The sum set aside for this building, $200,000, was considerably less than had been expected and consequently the letting of the contract was attended with great anxiety and a good many alternates had to be accepted. Fortunately none of these meant any sacrifice in the essential design or substantial construction of the building. With an honest and beautiful building assured, some of the equipment can be waited for.

It is a beautiful building combining even in external appearance classic dignity and practical variety. The fronts are so different as greatly to increase the interest in their study. The main entrance to the north is set off with four columns of Bedford stone; otherwise the chief feature is the large arched windows of the cataloging room and the periodical reading room. The feature of the east end is the large windows on the second floor framing the blank wall at the end of the main reading room; for the reading room is sky-lighted. The west end shows three full stories, as the slope of the earth made a full basement at this end possible. The south end shows three stories of stacks and above these at the rear of the reading room two stories of stacks.

In floor plan the building possesses considerable elasticity. For needed expansion, as the library grows, is to be secured, not by additions but by absorbing space initially assigned to other uses. There are for example about a dozen class and lecture rooms which will ultimately become a part of the working library.

The heart of the building is the great reading room on the second floor, to hold about three hundred readers, perfectly lighted without shadows from above, by day by the sun's rays filtered through softly tinted windows, at night by electric bulbs placed above these windows. Beneath the reading room at the center of the building are the three stack levels. The delivery room is at the head of the main stairway; off from it open the librarian's office, the cataloguing room, the periodical reading room, and of course the main reading room.

The considerations determining the floor plan were these: Economy of space, neighborliness of working parts, and beauty and comfort in the main reading room.

There is no waste space. Corridors are reduced to the essential minimum. The dark central portion which must necessarily be in a building of this size which is not built around a light court, is 108 by 132 feet and is assigned to stacks, which have winodws to the south only, and to the sky lighted reading room.

With the exception of the unpacking room all library activities center in the delivery room; even the stacks are but seven feet removed, reached by an easy stair, or on occasion communicated with by book-lift and passenger elevator.

As to the loveliness of the reading room, one can have some conception of it who has been in the delivery room of the new library at the University of Minnesota or in the reading room of the James Hill library in St. Paul.

A more detailed description of the interior will be given when the building nears completion.

Much credit is due to the architects. They have been of untiring application, have brought to the problem trained intelligence, pride in construction, and

NEW LIBRARY BUILDING AT THE SOUTH DAKOTA STATE COLLEGE OF AGRICULTURE (Cont'd)

an artistic taste. The contractors, and all who have had to do with the building, have exhibited alike pride and good will. The members of the faculty, too, exhibit a marked interest in the building as a common good to be shared by all. Many of them make it a point to stop daily as they pass for inspection and comment on the good workmanship going into the building.

In this building the state secures a permanent addition to its resources, for generations to be of incalculable value to its students and research workers. And at what cost? A cost that has never been felt by any one. It is clear gain to the state. Without the luxury tax moreover still another generation would have been awaiting the building. - From South Dakota Library Bulletin, vol. 12, no. 3, pages 57-59.

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THE ROOT-LANGSTROTH MEMORIAL MEETING

A memorial meeting, called the Root-Langstroth Memorial Meeting, was held at Medina, Ohio, September 21-23, in honor of A.I.Root and L.L.Langstroth, two of the pioneers of beekeeping in this country. All agricultural librarians are familiar with A.I.Root's "A B C and X Y Z of Bee Culture" and with the "Gleanings in Bee Culture" of which journal Mr. Root was the founder. L.L.Langstroth is called the "Father of Modern Beekeeping" and his book on "The Hive and the Honey Bee" is considered a beekeeping classic. A feature of the session devoted to the memory of Langstroth centered around his journal which was only recently discovered to be in existance. This journal, which is described below, was formally presented to the beekeeping library at Cornell University by Mr. A.H.Cowan, of Erie, Pa., who represented the Langstroth family, he being a grandson of L.L.Langstroth. The address of acceptance on behalf of Cornell University was given by Prof. R. W. Thatcher of that institution.

LANGSTROTH'S JOURNAL FOUND
Document not known to be in existence found
among old papersiin attic.

Due to the untiring efforts of Miss Florence Naile, secretary of the Ohio Beekeepers' Association, in the preparation of a really complete biography of the father of beekeeping, the hundreds atterding the Memorial Meeting at Medina,, September 21, 22, and 23, will see the world's most valuable piece of beekeeping literature - the journal of Rev. L.L.Langstroth. Beekeepers never knew that this famous man left a practically complete record of all his important experiments and discoveries. It was believed by Miss Naile and a few others that such a volume existed. The grandchildren of its author were located and the volume discovered. This journal contains more than 500 pages of closely written manuscript, much of which is quite legible. Some of it will take months to decipher, due to the fading of the ink through the years since it was begun. The first entries were made in 1851 and the last entry on August 10, 1895, only a few days before his death. The volume is now in the hands of Miss Naile, where it will remain (except for the three days it will be on display at Medina) until she has completed the task of writing the author's biography. Upon the completion of this volume the journal will go to Cornell University as a part of the Langstroth memorial library. - From Gleanings in Bee Culture, September, 1926, page 588.

FICTION FOR A FARM COMMUNITY LIBRARY

The following article by Wm. H. Powers, Librarian of the South Dakota State College of Agriculture, appeared in the South Dakota Library Bulletin, vol. 12, no. 3, pages 47-48. It is slightly abbreviated, the annotations in regard to the books being omitted on account of lack of space.

"In Wallace's Farmer for June 18, D.R. Murphy lists 100 books with comment, that may well be in any rural library, an admirable list. The list he divides into two parts, the second set of fifty not rated so high for the purpose as the first. In the first set are ten titles of fiction, in the second, seven titles. The ten in the first set all relate to middle-west conditions and are what are usually called realistic stories. Most of them are by Iowans and relate to Iowa conditions, three of them by Herbert Quick. In the second list the scope is broader, indeed phantasy determines the selection of several.

"By some perverse chance so wooden a thing as Churchill's Crossing gets into the first list in preference, say, to Cable's Grandissimes or even Cooper's Prairie. But the selection in the main is choice and includes such masterpieces as My Antonia in the first list and the Forsythe Saga in the second list. But excellent as is the list, is it not to cramp the reader's imagination to confine him so largely to the conditions he already knows? Should not his fiction introduce him, not to fairy realms perhaps or fields of fancy, but to other lands, other folk than his neighbors? At least it would do no harm to recommend that our rural library contain a larger proportion of fiction. Here's a try at a slight enlargement.

"Notice that all of these are, with the exception of Java Head, books issued within the last five years. There are ten books and ten authors. One author is a Scandinavian, one an Irishman, three of the United States, another of the United States lives mostly in France and England, and four are English, all are writers happy in the use of the English language. One tells a story of the sea, one of the great war centering in the art-life of Paris, another of English people and natives in India, one of the old merchant life of Salem and China, one of English life in an old ecclesiastical center, one of a French girl transplanted to England, one of Ireland of the revolution, a book of mirth, one, it is true, of country life in the United States, but life in the Old Dominion, not on the prairies. Here surely is God's plenty and every book likely to lift one out of himself, to give him - the reader - a new sense of power, a new enjoyment of fine speech. Here are the ten.

Bojer, Johan. Last of the Vikings. Century, 1923.
Forster, E. M. Passage to India. Harcourt, 1924.
Glasgow, Ellen. Barren ground. Doubleday, 1925.
Hergesheimer, Jos. Java Head. Knopf, 1919.
Kaye-Smith, Sheila. The George and the Crown. Dutton, 1925.
Wharton, Edith A. A son at the front. Scribners, 1923.
Hannay, J. O. (Birmingham, G.A.) Found money. Bobbs-Merrill, 1923.
Maxwell, W.B. Day's Journey. Doubleday, 1923.
Sedgwick, Anne D. Little French girl. Houghton, 1924.
Walpole, Hugh. The Cathedral. Doran, 1922.

"It should be added that these are not recommended as the best books by the authors, but worth-while books each of them, for the purpose and within the time set, the last five years. Moreover each can be read for its story, none is too difficult or too removed from everyday interests or capacities. Only one of them (it's a pity) can be called a book of humor. For pure pastime add almost any title of Joseph Lincoln or Wm. J. Locke."

REGARDING PERIODICALS AND SERIALS

A new union list of periodicals is always welcome. It was therefore a pleasure to receive the "List of periodicals abstracted in Chemical Abstracts, with key to library files and other information" which was issued on Oct. 20, 1926, as part 2, vol. 20, no. 20, of Chemical Abstracts. It is a convenience to have this new list as as a separate part of the number it accompanies, instead of incorporated in the number, as were the previous ones. It is similar in form to the preceding list issued in 1922, and consists of a list of the journals abstracted, with details as to frequency of publication and publishers, and with a list of libraries receiving the journal. These libraries are indicated by numbers corresponding to those in the list of 224 checking libraries preceding the journal list. There is also a geographical list of libraries arranged by state, enabling one to select more easily the library in his vicinity which has any given journal. In the journal list titles are given in full, the portion used as an abbreviation in Chemical Abstracts being indicated by black faced type. Its arrangement is alphabetical by the abbreviations. This principle is carried to an extent which seems at first puzzling. For instance, the titles beginning with the word Journal, for which the abbreviation is J., are arranged as though J were the first letter of the following word, thus, Journal of the Elisha Mitchell Scientific Society (J. Elisha Mitchell Sci. Soc.); Jenaische Zeitschrift für Naturwissenschaft (Jena. Z. Naturw.); Journal of Engineering Education (J. Eng. Education).

"Periodicals relating to dairying received in the U. S. Department of Agriculture" is the title of Agricultural Economics Bibliography no. 16 issued by the Bureau of Agricultural Economics, U. S. Department of Agriculture. It includes only American periodicals. It was compiled under the direction of Mary G. Lacy, Librarian of the Bureau of Agricultural Economics.

"Check List of the Official Serial Publications of the University of Missouri", Edition 3, has been issued as Library Series no. 12 of the University of Missouri. It was prepared under the direction of the Librarian, Mr. Henry O. Severance. Check lists of this kind are of much service.

The "List of Bulletins of the Agricultural Experiment Stations for the Calendar Years 1923 and 1924", prepared by Catherine E. Pennington, Assistant in the Office of Experiment Stations Library, U. S. Department of Agriculture, was issued in September, 1926, as supplement no. 2 to the "List of Bulletins of the Agricultural Experiment Stations in the United States from Their Establishment to the End of 1920", Department Bulletin no. 1199. The first supplement covered the years 1921-22.

A recent government document which should be added to the list of useful reference tools is the "Index of Foreign Commercial and Economic Periodicals Currently Received in Departmental and Other Institutional Libraries Located at Washington". It was issued by the United States Tariff Commission and was compiled by Dr. Carlton C. Rice, Special Expert. The libraries whose holdings are represented in the list number thirty.

Brief abstracts of the papers delivered at the meeting of the Agricultural History Society in 1921 in connection with the meeting of the American Historical Association are contained in the Annual Report of the American Historical Association for the year 1921 which has just been issued.

REGARDING PERIODICALS AND SERIALS (Cont'd)

The Bureau Farmer, a publication now serving the state Farm Bureaus of Wisconsin, Nebraska, and South Dakota, was unanimously adopted as an official publication of the American Farm Bureau Federation by the Board of Directors in session at Florence, Ala., September 23. In this action the Directors gave their approval to a plan which has been developed under the direction of the President and Secretary of the A.F.B.F. by the Department of Information during the past year and a half. Briefly, the plan of the Bureau Farmer, as stated to the Directors, provides a medium through which the 22 state federations, now publishing separate and individual papers, may combine their efforts with great economy and with greater effectiveness. The plan also contemplates the establishment of the publication in those states not now having a state publication. A national magazine, in keeping with magazines published by other great national organizations and providing for a separate state insert for each state federation to take the place of the present state publication, is the proposal worked out by the A.F.B.F. - From Amer.Farm Bur.Federation Weekly News Letter, Sept. 28, 1926.

New Periodicals

American

American produce grower. International trade press, 53 W. Jackson Blvd., Chicago. mo. fº. il. v. 1, no. 1, Sept. 1926. 50 cents a year.

California cotton journal. 215 Leidesdorff St., San Francisco. mo. f°. il. v. 1, no. 3, Jan. 1926. $3.00 a year.

Foreign

North western naturalist. T. Buncle & co., Abroath, Scotland. quar. 8°. il. v. 1, no. 1, Mar. 1926. 7s. 6d. a year.

Revista de veterinaria; publicación mensual. Zaragoza, Spain. 8°. il. año. 1, t. 1, Mar. 30, 1926. 20 ptas. a year.

Changed Titles

American

Southern cultivator and Dixie farmer. Atlanta, Ga. June 1/15, 1926, v. 84, no.11/12, absorbed Farming; the business magazine (Knoxville, Tenn.), and changed title to Southern cultivator and farming.

Swine world. Des Moines, Ia. June, 1926, absorbed the National Poland China journal (Shelbyville, Ind.). Cover-title of the June, 1926, issue reads The Swine World; the Poland China breeders' champion. July, 1926, cover-title changed to The Swine World; the national Poland China journal.

Ceased Publication

American

Farming; the business magazine. Knoxville, Tenn. Discontinued with v. 24, no. 1, May, 1926. June, 1926, merged with Southern cultivator and Dixie farmer with title: Southern cultivator and farming.

National Poland China journal. Shelbyville, Ind. Discontinued with v.12, no. 5, May, 1926. Absorbed by the Swine world, June, 1926.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during September and October, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Appendix of tables to the Commercial fresh peach industry in the United States. Pt. II (Cost of developing orchards and cost of producing peaches). By A. P. Brodell and R. S. Washburn. 1926. 43 p.

Check list of standards for farm products formulated by the Bureau of agricultural economics. 1926. 5 p. (Issued by Div. of Information)

Conditions affecting prices for the 1925 lamb crop. 1926. 8 p. (Issued by Marketing livestock, meats and wool div.)

Cooperative marketing of tobacco in the Miami valley of Ohio. A preliminary report. 1926. 5 p. (Issued by Div. cooperative marketing)

The corn picker in the Dakotas. A preliminary report. [By L. A. Reynoldson and M. B. Johnson] 1926. 9 p. (Issued by Div. of farm management and costs in cooperation with Bur. of public roads, Div. of agric. engineering)

The economic limits of cost of water for irrigation, Boulder county, Colorado, by R. P. Teele ... and Paul A. Ewing... A preliminary report... 1926. 35 p. (Issued in cooperation with Bur. of public roads)

The economic limits of cost of water for irrigation, Carlsbad project, New Mexico, by R. P. Teele ... and Paul A. Ewing ... A preliminary report ... 1926. 20 p. (Issued in cooperation with Bur. of public roads)

The economic limits of cost of water for irrigation, Morgan county, Colorado, by R. P. Teele ... and Paul A. Ewing ... A preliminary report. 1926. 32 p. (Issued in cooperation with Bur. of public roads)

The economic limits of cost of water for irrigation, Pecos county water improvement no. 1, Fort Stockton, Texas, by R. P. Teele ... and Paul A. Ewing ... 1926. 23 p. (Issued in cooperation with Bur. of public roads)

Factors affecting returns from the dairy enterprise in the Shenandoah valley. Preliminary report based on the conduct of the dairy enterprise on 188 farms in Rockingham and Augusta counties, Virginia. 1926. 17 p. (Issued by Div. of farm management in cooperation with Virginia agric.exper.station, Div.of agric. economics)

Farmers' business organizations. Partial list prepared from reports received by the Bureau of agricultural economics, June 1, 1926. 2,Dairy products, 1926. 49 p.

Living conditions and family living in farm homes of Alabama. [By E.L.Kirkpatrick] A preliminary report. 1926. 21 p. (Issued in cooperation with Alabama polytechnic institute, Extension service, and Alabama college, Dept. of psychology and sosociology)

Idaho. A preliminary list of the sources of agricultural statistics. Comp. by Margaret T. Olcott ... 1926. 14 p.

*For a list of the principal current serials see Agric. Library Notes, v. 1, no. 1.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Agricultural Economics (Cont'd)

List of publications issued by Office of grain investigations. 1926. 2 p.

List of publications on farmers' cooperative associations. 1926. 5 p. (Issued by Div. of cooperative marketing)

A new mechanical method for determining the length of cotton fibers. By E.E.Chandler ... A preliminary report. 1926. 38 p. (Issued in cooperation with Clemson agric. college.)

A new method for determining the strength of cotton. By E.E.Chandler ... A preliminary report. 1926. 16 p. (Issued in cooperation with Clemson agric. college)

Periodicals relating to dairying received in the U. S. Department of agriculture. Compiled by Muriel F. Wright. 1926. 23 p. (Agric. economics bibliography no. 16) (Issued by the Library)

Practices and costs of cotton gin operation in North Central Texas, 1924-25. A preliminary report. 1926. [16] p. (Issued by Div. of agric. cooperation)

Selected list of references on rye. Comp. by C. Louise Phillips ... 1926. 3 p. (Issued by Office of grain investigations)

Sources of facts about cotton production, marketing, and other economic statistics from federal sources. 1926. 11 p. (Issued by Div. of information)

Spinning tests of leading varieties of Texas cotton (crop of 1924). By Horace H. Willis ... A preliminary report. 1926. 20 p. (Issued in cooperation with Clemson agric. college)

Spinning tests of picked and snapped cottons (Texas and Oklahoma - 1925 crop). By Horace H. Willis...A preliminary report. 1926. 18 p. (Issued by Div. of cotton marketing in cooperation with Clemson agric. college)

A study of farmer elevator operation in the spring wheat area. Pt. I. Analysis of the costs of operation of a group of farmers' elevators in 1924/25. A preliminary report. 1926. 12 p. (Issued by Div. of cooperative marketing)

Tentative standards for grades of slaughter lambs and ewes. 1926. 11 p. (Issued by Div. of marketing livestock, meats and wool)

United States standards for beans, effective September 1, 1926. 1926. 18 p.

Reprints

Hints on marketing turkeys. This circular contains hints on How, When and Where to market turkeys. 1923. 3 p.

A historical and interpretative view of cooperation in the United States. By Lloyd S. Tenney ... 1926. 6 p.
Address before the American institute of cooperation, University of Pennsylvania, Philadelphia, Pa., Monday, August 3, 1925.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Bureau of Animal Industry

Chick hatcheries in the United States by states. 1926. 56 p.

The extension animal husbandman. Serial no. 3, September, 1926. (Issued in cooperation with Extension service, Office of cooperative extension work)

Report on progress of the "Better sires - better stock" campaign. Twenty-eighth quarter, ended September 30, 1926. 1926. 7 p.

Reprint

Outline for conducting a scrub-sire trial. [1924] 21 p.

Bureau of Biological Survey

Dealers in cage birds and cage bird supplies. 1926. 10 p. (Bi-631)

Production and conservation of fur animals. By Frank G. Ashbrook. 1926. 7 p.

List of publications on fur and fur animals. 1926. 2 p.

List of publications on attracting birds. 1926. 2 p.

Bureau of Chemistry

Publications on rare sugars by the Carbohydrate laboratory. [1926] 5 p.

Publications on sugar, sirup and molasses by Bureau of chemistry. [1926] 4 p.

Review of United States patents relating to insecticides and fungicides issued during April, May, and June, 1926. By R.C.Roark... 1926. 14 p. (Issued by Insecticide and fungicide laboratory, Misc. div.)

Bureau of Dairy Industry

Publications of the Department of agriculture relative to dairying, available for free distribution. September, 1926. 1926. 4 p. (B.D.I.M.301)

Extension Service

Acres of diamonds, a part of the story as told by Russell H. Conwell and its application in the boys' and girls' 4-H club exhibit, 1926 Interstate fair, Sioux City, Iowa. [By] R.A. Turner. 1926. 4 p. (Issued by Office of cooperative extension work)

Farm management demonstration notes taken from narrative reports January 1 to March 31, 1926. (Sent out with Memorandum no. 109) 1926. 21 p. (Issued by Office of cooperative extension work in cooperation with state agric. colleges.

Farm management demonstration notes taken from narrative reports April 1 to June 30, 1926. (Sent out with Memorandum no. 111) 1926. 21 p. (Issued by Office of cooperative extension work in cooperation with state agric. colleges)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Extension Service (Cont'd)

Growth work with 4-H clubs. [By] Miriam Birdseye. 1926. 14 p. (Extension service circular 14) (Issued by Office of cooperative extension work)

Lantern slide service for teachers of agriculture and home economics. [rev. August, 1926] 1926. 15 p. (Issued by Office of agricultural instruction)

Proceedings of Home demonstration leaders' section of the Conference of central states extension workers, Iowa State college of agriculture, Ames, Iowa, April 26 to 28, 1926. 1926. 32 p. (Issued by Office of cooperative extension work)

Sources of exhibits, models and other illustrative material. [1926] 4 p. (Issued by Office of agricultural instruction)

Swine sanitation. Excerpts from 1925 annual reports of state and county extension agents. Comp. by M.C.Wilson ... and C.D.Lowe ... 1926. 27 p. (Extension service circular 22) (Issued by Office of cooperative extension work)

Bureau of Home Economics

Average quantity, cost and nutritive value of food consumed by farm families. Food consumed during one year by 1331 farm families of selected localities in Kansas, Kentucky, Missouri, and Ohio. A preliminary report. 1926. 29 p. (Issued in cooperation with Bur. of agric. economics, U. S. Dept. of Agric., Ohio Wesleyan University, University of Missouri, University of Kentucky, Kansas State agric. college, and The Farmer's wife)

Bureau of Soils

Conservation of fertilizer materials from minor sources. By C. G. Fletcher. [1926] 7 p.

List of publications of the Bureau of Soils available only by purchase from the Superintendent of Documents. 1926. 6 p.

List of publications of the Bureau of Soils available for free distribution. 1926. 3 p.

Weather Bureau

The Florida hurricane of September 18-20, 1926. 1926. 23 p.

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DUPLICATES OF AGRICULTURAL HEARINGS

The Library of the U. S. Department of Agriculture has some duplicates of the Hearings on the Department of Agriculture Appropriation Bills for 1909, 1910, 1912, 1913, 1915, 1916, 1917, 1918, 1919, 1920, and 1923. These will be sent to libraries which request them.

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS

Vol. 1, No. 11. November, 1926.

NOTES ON BOOKS AND BIBLIOGRAPHIES

"Market Research Agencies, a Guide to Publications and Activities Relating to Domestic Marketing" is a new publication of the Bureau of Foreign and Domestic Commerce, U. S. Department of Commerce, and is no. 6 in the Domestic Commerce Series. It will be a useful reference tool for libraries as the information it contains in regard to market research agencies is not available in any other publication in this collected form. In the case of the government market research agencies, a brief account of the functions of each agency listed precedes the list of publications. The list of government agencies is followed by a list of state publications on marketing arranged by states. This list is useful as far as it goes but is not complete. Other agencies listed are advertising agencies, chambers of commerce, cooperative marketing associations, foundations, industrial businesses, magazines, newspapers, trade associations, and universities. A good index adds to the value of the publication. The preface states that it is planned to revise the bulletin annually, not only bringing it up to date but also making it as complete each year as possible.

"Cotton and its Production" by W. H. Johnson, with an introduction by Sir Wyndham Dunstan and a foreword by Sir William Himbury, has recently been published by Macmillan & Co., London. It is a comprehensive book of 536 pages, dealing with the history and botany of cotton, the production of cotton in various countries, the cultivation, marketing and manufacture of cotton, the diseases of the cotton plant, insect pests of cotton, and cotton by-products. There is also appended a brief bibliography of cotton. It is of interest to note that the author makes special acknowledgment to the library staff of the Imperial Institute "for their generous and willing aid in tracing information about numerous cotton matters in the Imperial Institute Library".

"Rural Sociology, a Study of Rural Problems", by Carl C. Taylor, Dean of the Graduate School and Director of the Bureau of Economic and Social Research, North Carolina State College, has recently been published by Harper & Bros. in the Harper's Social Science Series. It is a comprehensive book of 509 pages. Part one deals with the Foundations of Rural Society, part two with Rural Social Problems, and part three with The Farmer and His Society. A list of "Selected Collateral Source Materials" is given at the end of each chapter. There are also numerous bibliographical footnotes. The paragraphs on the Rural Press, the Country Weekly, Reading Material in Rural Homes, and the Rural Library, which are discussed in Chapter X11 entitled "The Problem of Rural Education", are of particular interest to librarians. Several interesting tables are given showing the kind of reading material in farm homes in various sections of the country.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

The proceedings of congresses are generally difficult to learn about and to obtain. Attention is therefore called to the following volume recently acquired by the Library of the U. S. Department of Agriculture: L'alimentation du bétail bovin et le contrôle laitier. Travaux du Congrès de l'alimentation du bétail bovin et du contrôle laitier, organisé sous le patronage de M. le ministre de l'agriculture, de M. le président de l'Académie d'agriculture, et de MM. les présidents des Offices agricoles régionaux, par la Société d'encouragment à l'agriculture, avec le concours des Offices agricoles régionaux. Paris, 28-29 octobre, 1925.

A useful publication just received by the U. S. Department of Agriculture Library, although published in 1924, is a list of the publications of the Italian government issued by the Ministero delle finanze, Provveditorato generale dello stato, and entitled "Pubblicazioni edite dallo stato o col suo concorso (1861-1923); catalogo generale". The arrangement is by subject, with an author index.

"The Need for Rural Libraries" is the title of an article by Dr. Kenyon L. Butterfield, President of Michigan State College, in "Rural America" for November, 1926, in which he reviews the recent publication of the American Library Association on Library Extension.

"L'Agriculture dans l'Ancienne Égypte" by Fernande Hartmann, which was published in Paris in 1923, has recently been acquired by the Library of the U. S. Department of Agriculture. The titles of the various chapters are as follows: Part 1. La culture. I. Les végétaux utilisés par les anciens Égyptien II. Les instruments des cultivateurs Égyptiens. III. Les méthodes de culture. Part 2. La capture et l'élevage. I. Les espéces animales. II. Les instrument de capture d'élevage. III. Les méthodes de capture et d'élevage. Conclusion. The work has 332 pages and 77 illustrations in the text. There are numerous bibliographical footnotes.

The Michigan State College, Lansing, has reissued, under the imprint of the College, Dr. Theodore Wesley Koch's booklet entitled "Reading: A Vice or a Virtue". To the original edition has been added a preface by President Kenyon L. Butterfield. There is also inserted a leaflet briefly describing the new library building of the Michigan State College. In the words of the preface, "The purpose of the booklet is to interest students, staff, and friends of the College in the Library by indicating its significance, and illustrating its possibilities".

"Sonnenschein's The Best Books, Part 4, in its entirely rewritten third edition, is now ready. This work is a reader's guide to the best available books in every department of science and literature, with the dates of the first and last editions, price, size, and publishers' names, both in England and America. The fourth volume is devoted to science, music, the fine arts, and sports..... This volume alone has over 4,000 entries. The work may be used in connection with and supplementary to the new A. L. A. Catalog of 10,000 books. It is more inclusive, tho' without explanatory notes." Publisher's Weekly, Oct. 30, 1926.

NOTES ON PERIODICALS

Two New Cooperative Marketing Journals

The first issue of a new periodical with the title "The Cooperative Marketing Journal" (Investment Building, Washington, D. C.) has appeared. It is dated December, 1926, and the editors are given as Walton Peteet and Robin Hood. An interesting group of articles by well-known persons compose this first issue. The titles of these articles follow:

Peteet. Walton. Tennessee's new cotton contract. p. 1-7.
Nourse, E. G. The growth of cooperative law. p. 8-11.
Jesness, O. B. Cooperatives and price control. p. 12-16.
Steele, A. F. S. When the member supports sound practices. p. 17-19.
Christensen, Chris. Management of cooperative associations. p. 20-22.
Hood, Robin. A proposal for a new national council. p. 23-29.
Elsworth, R. H. A quarter century of cooperative development. p. 30-32.

The Co-operative Union of Great Britain and Ireland has begun to issue a regular periodical every second month or six times a year called "The Cooperative Review" (Holyoake House, Hanover Street, Manchester, England). Numbers one and two for August and October, 1926, have been received in the Library of the U. S. Department of Agriculture.

Other New Periodicals

American

Florida review. Pub. by Bureau of immigration, Dept. of agriculture, Tallahassee, Fla. semi-mo. f°, v. 1, no. 1, June 7, 1926. (Mailed on request, free)
National marketing advocate. 26 Jackson Place, Washington, D. C., mo. f°. il. v. 1, no. 1, Aug. 1926. $1.00 a year.
Outdoor Nebraska. Pub. by Bureau of game and fish, Dept. of agriculture, Lincoln, Neb. irreg. f°. il. v. 1, no. 1, June, 1926. (Gratis)
Western dietitian; a modern journal of dietetics and nutrition. 130 South Broadway, Los Angeles, Calif. mo. 4°. il. v. 1, no. 1, May, 1926. $2.50 a year.

Foreign

Farming; a monthly journal for farmers and stock feeders, incorporating "Farm feeding" and "Pigs". Ed. and owned by Theo. A. Stephens, Frensham Manor, Nr. Farnham, Surrey, Engl. f°. il. New series, v. 1, no. 1, Oct. 1926. (Estab. as Pigs in 1920) 7 sh. 6 d. per annum.
Insecta Matsumurana. Sapporo, Japan. quar.? 4°. il. v. 1, no. 1, July, 1926. 4 Yen yearly.
Palestine and Near East economic magazine; a fortnightly for trade, industry and agriculture. Tel-Aviv, 13, Achad Ha'am Str. f°. il. no. 6, Oct. 1, 1926. $7.50 a year.

THE RELATION OF RURAL SOCIOLOGY TO SOCIOLOGY AND THE OTHER RURAL SOCIAL SCIENCES

The following extracts from the introductory chapter of Dr. Carl C. Taylor's new book on "Rural Sociology" will be of interest in connection with the cataloguing of books on rural sociology and agricultural economics:

"The Difference between Rural Sociology and General Sociology.- Rural sociology differs from general sociology in that general sociology must analyze and describe the structure and functioning of all human relationships, while rural sociology takes for its task the description and analysis of those human groups which live by the occupation of agriculture or by occupations immediately dependent upon agriculture. Rural sociology is concerned with the relations of rural people to each other, the relations of rural people to other sections of national and world populations, with rural institutions, with the rural standard of living, and with the social problems which attach themselves to life and labor on the farm and in farm communities. Under this broad classification all sociology may be divided into rural sociology and urban sociology. Many other divisions of the field may be and are made for the sake of the detailed analysis of social life and social structure. Until the social significance of agriculture and of rural communities is made more apparent, rural sociology will probably attempt to cover some such broad division of social life as is indicated by the Urban-Rural classification.

"The Difference between Rural Sociology and Rural Economics.- The distinction between rural sociology and agricultural economics is more difficult to make than that between general sociology and rural sociology. The mass of material to be handled in any adequate analysis of rural social life automatically drives students and teachers away from any detailed consideration of those facts which have bearing upon other than rural community life. The very vital relations which exist between farm profits and the rural standard of living, the necessity of understanding the economic background and base of farm life, and the fact that every rural social fact has an economic corollary and vice versa make it almost impossible to separate the consideration of rural social phenomena from the consideration of the general economic facts of farm life. The best that the rural sociologist can do in presenting his analysis to readers and students who may not have studied agricultural economics, or indeed may not have studied economics at all, is to present a sufficient amount of economic description and analysis to be assured that his readers understand his sociological conclusions. Agricultural economics deal specifically with agricultural wealth, credit, cost, income, management, and marketing factors. Rural sociology is concerned with these factors only as they condition social organization or social well being.

"Why Rural Sociology Must Cover Other Fields of Rural Social Science.- We have already suggested the necessity of some economic analysis in rural sociology. It is even more important that rural sociology cover the field of rural government, rural ethics, rural religion, rural education, and rural social psychology. These subjects are not yet developed into definite fields of analysis and treatment. The division of the field of social study into these different subjects is a matter of division of labor for the sake of complete analysis. Because there are no books written and practically no courses given in these various specialized fields, and because there are important social problems in these fields, the rural sociologist is under the necessity of describing and analyzing the problems of rural government, rural ethics, and rural religion, and presenting the facts of rural social psychology to his readers and students."

CLASSIFICATIONS OF FORESTRY LITERATURE

by Helen E. Stockbridge, Librarian, Forest Service,
U. S. Department of Agriculture.

In the April, 1926, issue of Agricultural Library Notes, page 65, there is a list of seven American classifications for forestry literature. Following is a supplementary list of foreign classifications for forestry literature which may also be of interest.

1 Troup, R. S. Classification and referencing of forest literature. Empire forestry journal, 1925, vol. 4, no. 1, p. 100-105.
2 Flury, P. Bibliographie forestiere: projet de classification de l'économie forestière, d'après le système décimal de Melvil Dewey. 20 p. Berne, Switzerland. 1925.
3 International union of forest experiment stations. International forest bibliography: bibliographic commission conference of the 23d and 24th April 1926 at Zürich, Switzerland. 4 p. Zürich, 1926.
4 Howard, S. H. A system of filing information on forestry. 31 p. illus. Rome, International institute of agriculture, 1926.

Dr. Flury's classification, prepared in 1925, was to have been presented to the members of the 1926 meeting of the International union of forest experiment stations in Sweden. On account of the death of Prof. Gunnar Schotte, the head of the Swedish forest experiment station, this meeting did not take place. The classification scheme, however, was printed, in both French and German. It is based on the principle of the decimal system of Dewey, with 10 main classes, 99 secondary divisions, and between 300 and 400 smaller sub-divisions. A full alphabetical subject index accompanies the scheme, which should be extremely useful to anyone intending to put it into practice. It is perhaps too detailed for most libraries, but might be used to advantage in classifying and arranging manuscripts, clippings and other miscellaneous forestry material.

In April, 1926, the Bibliographic commission of the International union of forest experiment stations held a meeting at Zürich, Switzerland, where among other things it discussed Flury's and Oppermann's classification schemes. At this meeting eight countries were represented, including the United States (by Prof. Walter Mulford of the Department of Forestry, University of California). The commission finally adopted the scheme listed above (no. 3). This classification follows somewhat the arrangement used by Dr. Flury but does not subdivide the classes so minutely, leaving this to be worked out at a later date. An alphabetical subject index is to be added later also.

The system of filing described in Prof. Howard's paper (no. 4) is intended primarily not for books, but for extracts, clippings, notes, photographs, and other material on file in the Forest Research Institute at Dehra Dun, India. Prof. Howard began work on his filing scheme in 1920 when "it became evident that the system of filing in the silvicultural branch was breaking down owing to the bulk of material collected". He wrote to many countries for suggestions but got the most help from the Swiss classification, and from Korstian's "Outline for the classification of forestry literature" in the Journal of forestry for February, 1923. These he used as the foundation of his scheme, altering and adding to them as the need arose. His system does not cover the whole of the science of forestry, having been prepared for the silvicultural branch at Dehra Dun, and therefore covering only the branches of the subject in which it

CLASSIFICATION OF FORESTRY LITERATURE (Cont'd)

is interested. The main object of the scheme, according to Prof. Howard, is "to get together all the available information or references to information on a subject in one place". The "ledger files", as they are called, contain under each class or subdivision either the material itself or references to the subject in other places, such as the photographic collection or the library. The library books are classified in exactly the same way as the general ledger files, except that so far it has not been found necessary to use as many numbers for the books as for the other material, since the latter comprises the bulk of the matter filed. Prof. Howard does not claim that his scheme will work perfectly in every instance, but suggests that it might be introduced in institutions whose present filing schemes are inadequate or unsatisfactory in any way.

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READING MATERIAL IN RURAL HOMES

The subject of the farmer's reading is one which is attracting considerable attention from librarians, educators, and rural social workers. In his recent book on "Rural Sociology", Dr. Carl C. Taylor gives several interesting tables on reading material in farm homes in various sections of the country. Some of the most outstanding generalizations which he deduces from this series of tables are as follows: (1) That the most prevalent type of current reading materials found in farm homes are agricultural or farm journals. The second most prevalent type is daily papers, although the dailies are outranked by the weeklies in the Southeast Missouri community. The third most prevalent type is the country weekly, and the fourth most prevalent type is the magazine; (2) Farm owners universally have a greater volume and greater diversity of reading materials in their homes than do farmers of any other tenure status; (3) The farm families in the Southern communities have less reading materials of all kinds in their homes than do those of the Middle West; (4) Practically no health bulletins or agricultural bulletins are found in the homes of the farmers of the lower tenure status; (5) Tenant, cropper and hired-man farm families fall much further below farm owners in book equipment than they do in current reading materials.

From the facts revealed in all of his studies of rural reading materials, Dr. Taylor also draws the following conclusions: (1) That daily, weekly, and farm papers are becoming almost universal in farm homes; (2) That practically every farm home has some sort of a library; (3) That owners almost universally have better reading equipment than tenants, and tenants better than croppers and hired men; (4) That the number of books, papers, and magazines that are in the home are in direct proportion to the amount of education the farmers and farmers' wives have; (5) That farm people use books readily if given an opportunity; (6) That their choice of books is perfectly normal and healthy in every way.

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SOMETHING NEW IN BOOKSELLING

A prominent publisher in connection with the sale of a special limited edition of the works of Charles Dickens is offering free a genuine English Plum Pudding. This offer is rightly described as "a unique opportunity". Is there not a suggestion here for agricultural publishers? A dozen eggs or a pound of butter would be very acceptable premiums.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during November, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Attitudes and problems of farm youth. A preliminary report. [By E. L. Kirkpatrick and C. B. Smith...] 1926. 19 p. (Issued by Division of farm population and rural life in cooperation with Extension service).

Farm youth; a selected list of references to literature issued since January, 1920. Compiled by Margaret T. Olcott and Louise O. Bercaw. 1926. 40 p. (Agricultural economics bibliography no. 17) (Issued by Library)

A study of farmer elevator operation in the spring wheat area... A preliminary report. 1926. Pt. 1-2. (Issued by Division of cooperative marketing)

Tentative standard grades for Burley tobacco U. S. type 31. Prepared under the authority of the U. S. Warehouse act of August 11, 1916, as amended. 1926. 21 p.

Bureau of Biological Survey

Raising domestic rabbits. 1926. 6 p. (Bi-904)

Bureau of Chemistry

Publications issued by Protein investigation laboratory, Bureau of chemistry, U. S. Dept. of agriculture. 1926. 6 p. (Issued by Protein investigation laboratory).

Review of United States patents relating to insecticides and fungicides issued in 1925. By R. C. Roark... 1926. 38 p. (Issued by Miscellaneous division)

Bureau of Plant Industry

Ribes of Oregon. By L. N. Gooding. [Rev] 1926. 71 p. (Issued by Office of blister rust control)

Plant introductions. 15th annual list. 1926/27. 1926. (Issued by Office of foreign plant introduction)

Extension Service

County planning. By C. L. Chambers. 1926. 6 p. (Issued by Office of cooperative extension work)

Digest of the annual reports of farm-management extension work, 1925. 1926. 51 p. (Issued by Office of cooperative extension work)

List of state directors of cooperative extension work, November 15, 1926. 1926. 2 p. (Issued by Office of cooperative extension work)

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*For a list of the principal serial publications issued regularly see the January, 1926, issue of AGRICULTURAL LIBRARY NOTES, p. 10-14.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Extension Service (Cont'd)

Marketing activities - farm women and girls. Excerpts from 1925 annual reports of state and county extension agents. Compiled by M. C. Wilson. 1926. 20 p. (Extension service circular 24) (Issued by Office of cooperative extension work)

Poultry housing. Excerpts from 1925 annual reports of state and county extension agents. Compiled by M. C. Wilson. 1926. 13 p. (Extension service circular 25) (Issued by Office of cooperative extension work)

Printed and mimeographed material available for distribution to state nutrition specialists from the Office of cooperative extension work. 1926. 2 p. (Issued by Office of cooperative extension work)

Second annual 4-H club members' conference, Camp Eaton, Interstate fair, Sioux City, Iowa, Sept. 19 to 24, 1926. [By] R. A. Turner. 1926. 10 p. (Issued by Office of cooperative extension work)

Special nutrition slides. Furnished through Miriam Birdseye. 1926. 18 p. (Issued by Office of cooperative extension work)

Team demonstration; good posture for club members based on demonstration given at Massachusetts state 4-H camp, 1926. 1926. 10 p. (Issued by Office of cooperative extension work)

Forest Service

Forestry facts for young folks. [1926] 17 p.

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NOTES ON DUPLICATES AVAILABLE

A publisher in Madison, Wisconsin, has a large collection of the early bulletins of the Agricultural Experiment Stations and a set of the Experiment Station Record.

A member of the staff of the Forest Service, U. S. Department of Agriculture, has copies of the American Agriculturist for 1867, 1868 (except October), and 1869 (except March).

The Library of Congress has duplicates of the following herdbooks:

American Jersey cattle club. Herd register, v. 110.
American short-horn herd book, v. 115.
Holstein-Friesian association. Holstein-Friesian herd book, v. 55.
Red polled cattle club of America. Red polled herd book, v. 38.

Further information as to how these publications may be obtained will be supplied on request by the Librarian of the U. S. Department of Agriculture.

AGRICULTURAL LIBRARY NOTES

ISSUED MONTHLY BY THE UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY WITH THE COOPERATION OF THE LIBRARIES OF THE LAND GRANT COLLEGES AND THE STATE AGRICULTURAL EXPERIMENT STATIONS

vol. 1, no. 12. December, 1926.

NOTES ON BOOKS AND BIBLIOGRAPHIES

"The Folk High Schools of Denmark and the Development of a Farming Community", by Holger Begtrup, Hans Lund and Peter Manniche, has recently been issued by the Oxford University Press, London. The following extracts from the introduction by Sir Michael Sadler, Master of University College, Oxford, will give some idea of the message which the book conveys: "In the early years of the nineteenth century the Danish peasant was still unprogressive; sullen and suspicious; averse from experiment; incapable of associated enterprise. Today he is forward-looking, cheerful, scientifically minded, resourceful, cooperative. To what causes is due the remarkable change in the tone and temper of a large rural population? The book which Mr. Begtrup, Mr. Lund and Mr. Manniche have written gives the answer to this question. The secret is open. Character, as Goethe said, makes character. A group of greathearted patriots moved their fellow countrymen by their teaching and by their example. Their teaching was not occasional but systematic: and their precepts were distilled in corporate life. Danish experience confirms the truth of the epigram: 'Educational bands make the strongest ties.' The man whose personality imprinted itself first on a small body of disciples and ultimately upon the peasantry of Denmark was N. S. F. Grundtvig (1783-1872), pastor, poet, historian and educational reformer. What Arnold of Rugby did for England, Grundtvig in another sphere of education did for Denmark. ... The People's High Schools founded by Grundtvig and his disciples (chief among them, Kristen Kold, 1816-1870) gave the essence of a liberal education to farmers' sons and daughters. ... Between 1860 and 1880 they worked a miracle of culture in the Danish country side. The town folk were, as a whole, impervious. But the peasantry was transformed. ... In the schools the young men learnt to trust one another. In cooperative enterprise they translated that trust into terms of associated credit. The schools gave them a wide outlook, opening in the pupils' minds new windows through which they looked out on the world. With this effective culture, and with the faith which went with it, the young men and young women saved Danish farming. 'The schools awakened in them a yearning for knowledge and a desire to work'."

Volume 2 of "A Bibliography of American Natural History, the Pioneer Century, 1769-1865", by Max Meisel, has recently been issued by the Premier Publishing Co., 658 Broadway, Brooklyn. This volume deals with "The Institutions which have contributed to the Rise and Progress of American Natural History, which were founded or organized between 1769 and 1844". The institutions are arranged chronologically by the respective dates of formation or organization. Library workers who have occasion to handle scientific serial publications will find this a most useful reference tool. A third volume is still to be issued. It will be recalled that volume 1 was awarded the first Eunice Rockwood Oberly Memorial Prize.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"Agricultural Research in 1925" is the title of a thick pamphlet (174 pages) issued by the Royal Agricultural Society of England. The preface, signed by the Chairman of the Research Committee of the Society, says: "The Committee came unanimously to the conclusion that there was a need for a new publication which would record year by year, in a concise form and in language easily understood by the non-scientific but practical man, all the results of research work carried out, not only in Britain, but in other parts of the world in so far as it has a bearing on agricultural practice at home. Results, both those of present importance and those definitely negative, should be included and the volume should be planned to be of value alike to the practical farmer, to the County Agricultural Organiser, and to those engaged in the education of agricultural students. Further, so that the publication might be of service to investigators in future years as a book of reference, ample reference should be provided showing from what journals, bulletins, and other sources the information had been drawn." The report is divided into the following seven sections, each in charge of a specialist: Crops and Plant-Breeding; Dairy Husbandry; Agricultural Economics; Agricultural Engineering; Animal Nutrition; Soils and Manures; Veterinary Science. The agricultural librarian should find it of use as giving readable summaries of many of the recent developments in agricultural science. There is no index but each section is headed by a list of contents. A critical bibliographer's eye will note that the literature lists at the end of each section have not been brought into any uniformity. In some cases Roman numbers are used for volumes and no page numbers are given. In some cases the volume number is given in Arabic black-face, followed by pages, in others the author is given first, and in still others the title. In at least one case a book is referred to by the title only in the list, and it is necessary to look back in the text to find the author's name. In one list there is reference to "Studies in the biological sciences" with no statement of the publishing body. However, the references seem to be generally intelligible, which is, after all, the most important point.

"How to Do Research Work, a Manual of Research Procedure Presenting a Simple Explanation of the Principles Underlying Research Methods", by W. C. Schluter, Assistant Professor of Finance in the University of Pennsylvania, has been published by Prentice-Hall, New York. Librarians will be more particularly interested in Chapter III, Developing a Bibliography, and Chapter XV, Selecting and Using Citations, References and Footnotes in Research.

"A National Program of Forest Research", prepared by Earle H. Clapp, has recently been published by the American Tree Association, Washington, D. C., as the "Report of a Special Committee on Forest Research of the Washington Section of the Society of American Foresters". It is a volume of 232 pages.

"Peat, a Contribution Toward a Bibliography of the American Literature Through 1925", compiled by Alice C. Atwood, bibliographical assistant in the Bureau of Plant Industry Library, has been issued in mimeographed form by the Library of the Department as Bibliographical Contribution no. 12. The bibliography comprises 95 pages. It is arranged in classified form and has an author and subject index. The bibliography was prepared at the request of the American Peat Society.

A "History of the Grange in Vermont", by Guy D. Horton, Montpelier, Vermont, is a recent addition to the literature on the National Grange.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"The Green Rising, An Historical Survey of Agrarianism, with Special Reference to the Organized Efforts of the Farmers of the United States to Improve their Economic and Social Status", by J. B. Bizzell, President of the University of Oklahoma, has recently been published by the Macmillan Company. The following extract from the preface explains the genesis of the book:

"In the spring of 1924, the writer visited Europe for the purpose of studying rural life conditions. It became apparent that profound changes were taking place throughout the rural sections of all European countries. The traditions and customs of centuries were being greatly affected. The equilibrium between population elements had been appreciably disturbed by the war. The farm labor problem presented new aspects. The peasant farmer was experiencing financial distress as a result of falling prices and financial depression. He had become thoroughly dissatisfied and discouraged, and was uniting his efforts with industrial labor to compel legislative bodies to provide relief from existing conditions.

"It became increasingly apparent that the farm populations, from the Balkan States to the North Sea and westward to the Atlantic Ocean, were determined to improve their economic and social conditions. They were thinking much of economic inequalities. Adversity had aroused their consciousness of social solidarity and had caused them to realize their political strength. In most countries the farmers had become socialistic and had turned to the most radical elements of industrial labor for sympathy and support. The labor governments in most of the countries of Europe at the time were strongly socialistic and had been swept into power through the combined influences of the rural and industrial elements in the population.

"It was quite obvious that the unrest in the rural sections of Europe was the result of about the same conditions that had caused widespread dissatisfaction in this country It was apparent that almost a world-wide agrarian revolution was in progress. The fact that it was largely bloodless in no wise made it less a reality. Farmers everywhere had not only become thoroughly aroused to their economic difficulties, but had become definitely committed to a program of relief. Naturally the elements in this program varied in detail, but the motives that actuated them were the same.

"The writer became very much impressed with the profound significance of this agrarian movement. It was easy to realize that our economic and social institutions, as well as our governmental policies, were to be profoundly influenced by this world-wide movement of agricultural producers. It seemed that a survey of this situation might be desirable ..."

"Cooperation and Competition in the Marketing of Maize in South Africa" by Herbert Frankel, has recently been issued by P. S. King & Son, London. According to the preface by R. A. Lehfeldt, the book "is somewhat of the nature of a douche of cold water on cooperators; but a cold douche", he goes on to say, "clears the head and stimulates energy - the lover of the cooperative spirit will not mind it".

"The Agricultural Colonisation of the Zionist Organization in Palestine" by Arthur Ruppin, translated from the German by R. J. Feiwel, has been published in London by Martin Hopkinson & Co., Ltd. The book is the outcome of the author's seventeen years of connection with agricultural colonization in the service of the Zionist Organization.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

There has been a slight change in the name of the publishing company now handling "The Book of Rural Life". The present name and address of the company is Bellows-Reeve Company, 4750 Sheridan Road, Chicago. In response to an enquiry in regard to the plans for a Year Book to accompany "The Book of Rural Life", the Editor-in-Chief, Mr. Edward H. Tuttle, sent the following statement: "The more we have thought over this matter during the past year the more evident it has been to us that both from an editorial and business standpoint it would be a mistake to begin the publication of such a year book until 'The Book of Rural Life' itself is a little older and has a more widespread distribution and greater number of users. I found on investigation, for example, that the International Yearbook, which is now so great an annual contribution in the general encyclopedia field, was not started until the International Encyclopedia was some fourteen years old. I do not anticipate that we shall wait anything like that length of time, but I believe you will agree that probably a few years interval between the publication of our set and the first of the year books will be wise."

"Fifty Books for Farmers" is the title of a brief list of Agricultural books which has recently been issued by the American Library Association. It was distributed at the meeting of the American Farm Bureau Federation in Chicago the first week in December. The American Library Association collaborated in compiling a list of about eighty books which were used as an exhibit at the meeting.

"A List of Books for the Farmer's Library", compiled by the College of Agriculture, University of Illinois, has been issued as University of Illinois Bulletin, vol. 24, no. 15, December 15, 1926. While not so stated on the bulletin, it is apparently a revised edition of the list with the same title which was issued in January, 1922, as Circular no. 251 of the University of Illinois Agricultural College and Experiment Station. It comprises 24 pages.

"Rural Public Library Service, a Handbook for Rural Leaders", has recently been printed by the American Library Association for the League of Library Commissions. It is an attractive leaflet of 16 pages.

"Prominent Men I Have Met" by Prof. L. H. Pammel, Head of the Botany Department, Iowa State College, is the title of a pamphlet of 39 pages recently privately issued by Prof. Pammel. It contains sketches of Alfred Russell Wallace, J. L. Budd, S. A. Knapp, Asa Gray, Millikan Stalker, and James Wilson. The series originally appeared in the Ames, Iowa, Daily Tribune.

"What is What in Groceries", by Alexander Todoroff, has recently been issued by the Grocery Trade Publishing House, Chicago. The following extract from the publishers' note explains the scope of the book: "While the volume is quite comprehensive in its scope, no effort has been made to include every article sold in the grocery store. The aim has been rather to explain the things with which consumers generally are not familiar; to show the differences between the various grades and sizes; to state the Government rulings and definitions regarding various foods; to give, in general, authoritative and unbiased grocery facts that would be of distinct benefit to consumers - that would make it possible for them to buy their table supplies to better advantage." The information is given in the form of questions and answers. An index adds to its value.

NOTES ON BOOKS AND BIBLIOGRAPHIES (Cont'd)

"Introduction to the American Official Sources for the Economic and Social History of the World War", compiled by Waldo G. Leland and Newton D. Mereness, has recently been published by the Yale University Press, New Haven, for the Carnegie Endowment for International Peace, Division of Economics and History. It is a volume of 532 pages. In view of the various official library activities during the war it was disquieting to note that the only mention of libraries which appears in the index is a reference to a report of the libraries of Tennessee in war activities issued by the Tennessee Historical Commission.

A new list entitled "Catalogue of Publications of the Bureau of Foreign and Domestic Commerce" and dated October, 1926, has been received. It supersedes the list of March, 1926, and consists of a check list with subject index of the various much used series of the Bureau. Over 1000 titles are included. It does not list mimeographed material but gives some sample titles.

Another edition of "Popular Names of Federal Statutes" has been published by the Division of Documents of the Library of Congress. This is a most valued first aid to the librarian who is most frequently asked for these acts by their popular names, such, for example, as the Twenty-Eight Hour Act or the Hoyburn Act. It gives the popular names in alphabetical arrangement, followed by date of passage and citation to Statutes at Large.

"Commercial and Industrial Organizations of the United States", revised edition, June 1, 1926, has just been issued by the Bureau of Foreign and Domestic Commerce as its "Domestic Commerce Series" no. 5. It does not include agricultural organizations as did some of the earlier lists. It consists of the following lists: "National and International Organizations"; "Interstate Organizations"; "National, International and Interstate Organizations"; "State and Territorial Organizations"; "Local Organizations". For each organization, the name, address, number of members, and date of annual meeting are given.

"The Cattle of the World, their Place in the Human Scheme - Wild Types and Modern Breeds in Many Lands" by Alvin Howard Sanders, Editor of the Breeder's Gazette, is the republication in book form by the National Geographic Society of the December, 1925, issue of the National Geographic Magazine. It contains 142 pages with 114 illustrations, including 20 pages in color, the latter being copies of paintings by Edward Herbert Miner.

Mrs. Eva Thayer Shively, Librarian of the Bureau of Home Economics, U.S. Department of Agriculture, has recently completed a bibliography on "Footwear" which will later be mimeographed. She also has under way three other bibliographies on home economics subjects. In order to avoid possible duplication, she would be glad to know whether any of the agricultural colleges have done or are doing any bibliographical work on home economics subjects.

"Some References on Agricultural Relief" is the title of a brief mimeographed list of five and a half pages which has recently been compiled in the Library of the Bureau of Agricultural Economics, U.S.Department of Agriculture, to meet the frequent requests for debate material on this subject.

TREATMENT OF REVISED EDITIONS OF BULLETINS AND REVISED PRINTED CARDS

The Librarian of one of the state agricultural colleges has written to the U. S. Department of Agriculture Library for advice in regard to certain problems connected with the filing of cards for revised editions of agricultural bulletins and the filing of revised printed cards in the "Agr" series. As the same problems may have troubled other agricultural libraries it was thought that it might be helpful to include the questions and answers in AGRICULTURAL LIBRARY NOTES. Following is the query of the agricultural college librarian:

"In filing agriculture cards today for our bulletin catalog, we found some problems which we should like to have you help solve. In case of revisions, is it advisable to pull out old cards before we receive a card marked 'revised' in the lower right corner? For example, Oakley, R. A. Commercial varieties of alfalfa. This has been Farmers' Bulletin no. 757 with two cards, 1916, 1920; then revised to no. 1467 in 1926. There are three L. C. numbers for this bulletin. Is it advisable to keep all cards in the catalogue, or to remove two and leave the last one? Could one be confused in looking for bulletin 757? Again, we find a revision, but the bulletin number remains the same. However, we have not received a revised L. C. number. What shall we do in case of Apple-Ripening and Apples-Ripening and Apple-Diseases and Apples-Diseases? We have been using a pen and making all alike. If you have a revised set of rules for filing agriculture cards, we should appreciate having a copy."

The following reply to these queries was furnished by the Catalogue Division of the U. S. Department of Agriculture Library: "If we understand your letter correctly, there are two questions in regard to which you wish information: (1) The treatment of revised editions of bulletins, and (2) the treatment of revised printed cards.

"1. The present custom of the Office of Publications of the Department is to assign a new number to a bulletin if a revision is printed, e.g., Farmers' Bulletin 1467 is a revision of Farmers' Bulletin 757. Sometimes, however, when there is some slight but not essential change in text it is reissued with the old number and 'Revised' printed on the inside. We do not print new cards in such cases. Formerly the same number was kept even when the revision was extensive or re-edited by a different author. We then printed new cards, with a new card number, for each revision. We think it advisable to keep all the cards in the catalog in such cases, as readers may have references to the earlier editions and it would be confusing not to find cards for them in the catalog.

"2. The word 'Revised' as used on Library of Congress cards is quite different from the word 'Revised' as applied to Department publications, which is discussed in the previous paragraph. 'Revised' in the Library of Congress Handbook of Card Distribution is defined as "Card improved (a) by correcting an error, (b) supplying additional information, opening or closing entry, etc. Previous to 1913 the word 'Cancel' was used to indicate changes of class a, and 'Additions' was used to indicate changes of class b. It proved impractical to maintain the distinction". When 'Revised' cards are received they should be substituted for the old ones, which will have the same number, but without the word 'Revised'.

"Whether to use the singular or plural in subject headings has been a troublesome problem. The Library of Congress formerly used the singular in such headings as Apple, Dog, and later changed to the plural. We have changed our printed cards accordingly, but have not reprinted our old cards except when necessary to replenish stock, expecting the users to make the addition with pen and ink. In some other cases we have changed the form of subject headings for the sake of uniformity with L. C. heading or to conform with change in termi-

TREATMENT OF REVISED EDITIONS OF BULLETINS AND REVISED PRINTED CARDS (Cont'd)

nology, as: Insects, Injurious and beneficial, instead of Insect pests (Agr 7-819); Leaf-spot of sugar-beet instead of Sugar-beet leaf-spot (Agr 16-323). In such cases we have often, although not always, reprinted earlier cards as 'Revised'.

"When a series of cards is printed during a long term of years it is very difficult to keep headings and form consistent and the person filing them needs to be continually on the alert to notice and correct errors. We have no revised set of rules for filing but are ready to answer inquiries as to inconsistencies, apparent or real, as best we can."

THE CLEMSON COLLEGE LIBRARY,
Clemson College, S. C.

In celebration of the completion of the new library building for Clemson College, invitations to a housewarming on December 15th from eight to ten, were sent out by the librarian, in order that students, faculty and friends of the library might have a better opportunity to view the new and much improved library quarters. In addition to the change in the library quarters, there have been recent changes in the organization of the college and experiment station libraries, the station library having been combined with the college library. This change came about as a result of the conviction on the part of the college and station authorities that, under the conditions which existed at Clemson, the library interests of both college and station would be better served by having one library. The change was more easily made in view of the destruction of the experiment station library by fire in April, 1925. Believing that further information in regard to the reorganization would be of interest to other agricultural librarians, the librarian of the college, Miss Marguerite V. Doggett, was asked for a statement to include in AGRICULTURAL LIBRARY NOTES. In response to this request, she kindly sent the following:

"The South Carolina Experiment Station Library, which since organization, has existed as a separate library, has now been combined with the Clemson College Library and is known as the Agricultural Reference Section. This is housed on the second floor of our new College library building. Eventually all books of an agricultural nature, now in the main collection, will be transferred. Since the fire which destroyed the collections of the experiment station library, some progress has been made in replacing government and state publications as well as scientific journals, yet there are still many incomplete files. Along with the work of combining records and the elimination of duplicate material, we are using the Library of Congress Classification, except for the class of biography. This was adopted two years ago as it seemed to meet the needs of a technical library better than any other. We are using the Superintendent of Documents' Classification for the government documents. This is the most logical one for a library which receives much of that material and all the more so since the classification numbers now appear in the Monthly Catalogue of United States Public Documents. Bound volumes of this serve as our catalog of government material. Since our decisions in these two important matters were made, many instances upholding our choice have come to our notice and although the task at first seemed hopeless, we are certain the librarians of the future will be most grateful to us. I believe that every state agricultural library ought to have at least two copies of state experiment and extension publications and a few duplicates on hand for package library service when one has plenty of assistants to handle that phase of the work."

NOTES ON PERIODICALS

The big event in the month of December in the scientific periodical field was the issuance, near the close of the month, of the first number of "Biological Abstracts". The cover title page reads as follows: "Biological Abstracts, a comprehensive abstracting and indexing journal of the world's literature in theoretical and applied biology, exclusive of clinical medicine. In its departments dealing with theoretical and applied bacteriology and botany the Hournal represents a continuation of Abstracts of Bacteriology and Botanical Abstracts. Published under the auspices of the Union of American Biological Societies with the cooperation of biologists generally. Publication office: Menasha, Wisconsin. Editorial and Executive office: University of Pennsylvania, Philadelphia, Pennsylvania." The first number comprises 1878 entries and 202 pages of double columns. The entries are arranged by classes, preceded by an author index.

"Crops and Markets" as a weekly will be discontinued with the publication of a number to be dated December 31. The regular weekly number for December 25 covers statistics for the week December 13-18. The December 31 number will be an extra issue to appear early in January and will cover figures for the weeks December 20-25 and 27-31, thus completing the record for the year's statistice.

Beginning with January, 1927, "Crops and Markets" will be issued as a monthly only. It will contain the data appearing in the Monthly Supplement and in addition will carry certain statistics now published weekly. In most instances, however, these figures will be on a monthly rather than a weekly basis.

Anyone who wishes to receive after December 31 reports now carried in the weekly "Crops and Markets" should make application to the United States Department of Agriculture, Office of Information, Mailing Lists Section, Washington, D. C.

The subscription price of "Crops and Markets" after January 1 will be 60 cents per year (foreign rate 85 cents), payable in cash or money order to the Superintendent of Documents, Government Printing Office, Washington, D. C. As at present, the publication will be free to libraries, the press, Government officials, workers in agricultural colleges and experiment stations and other institutions or individuals actually assisting the Department of Agriculture in collecting or disseminating agricultural information.

"The Journal of the Department of Agriculture of South ~~Australia~~ Africa" has ceased publication, the last issue being that for September, 1926, volume 11, number 9. The change was announced in a circular inserted in the September issue, in which it is stated that "matter of the kind that ordinarily would have been printed in the Journal will, where considered necessary, in future appear in bulletin form. Summaries or other mention of such bulletins will be printed in the monthly Farming in South Africa, so that any one wishing to keep in touch with the literature published by the Department should read the latter publication". The Journal was first issued in April, 1920, and from then appeared monthly up to and including March, 1926. The two subsequent issues were in quarterly form. In view of the discontinuance of the Journal, which was formerly indexed in the "Agricultural Index", subscribers for the Index have been asked for their opinion as to the advisability of indexing in place of it "Farming in South Africa".

The "Library Supplement to the B. A. E. News" which is issued monthly by the Library of the Bureau of Agricultural Economics, U. S. Department of Agriculture, will change its name to "Agricultural Economics Literature" beginning with the issue for January, 1927. The first issue under the new name will be volume 1, number 1.

NOTES ON PERIODICALS (Cont'd)

Other New Periodicals

American

American fur growers' magazine. Bremen, Ohio. mo. 4°. il. v. 1, no. 1, Aug. 1926. 50 cents a year. (Rabbit breeding)

Indian River farmer. Vero Beach, Fla. mo. f°. il. v. 1, no. 1, Nov. 1926. $1.00 for two years.

Iowa state college journal of science; a quarterly of research. Ames, Ia. 4°. il. v. 1, no. 1, Oct. 1926. $3.00 a year.

Foreign

Rural India; journal of the Madras forest panchayats. 9, Brodies Road, Mylapore, Madras. mo. 8°. v. 1, no. 3, Sept. 1926. Rs. 4-8-0.

Changed Titles

Cambridge philosophical society, Cambridge, Eng. Proceedings...Biological sciences. With v. 2, no. 1, Nov. 1926, changed title to Biological reviews and biological proceedings of the Cambridge philosophical society.

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MISCELLANY

The Journal of the American Medical Association for August 21, 1926, v. 87, p. 612-614, prints an article by Charles Frankenberger, Librarian of the Medical Society of the County of Kings, Brooklyn, on "Medical Periodicals from the Library Standpoint" which notes some of the sins of these journals, such as lack of title-page and index, several sets of paging in the same volume, and changes of title in the middle of the volume. Many examples of similar sins on the part of agricultural journals might be noted.

The Report of the Librarian of the U. S. Department of Agriculture for the fiscal year ending June 30, 1926, was issued in December. The number of interlibrary loans made during the year was 1853. In addition, 153 photostat copies and 3 typed copies of articles were supplied, making a total of 2019 loans for the year, an increase of 100 as compared with the year 1925. Fully one-half of the loans were made to land grant colleges and experiment stations. With two exceptions, loans were made to libraries and institutions in every state, the largest number being made to New York State. The number of books, pamphlets, and maps added to the Library during the year, by gift, purchase and exchange, was 15,215, an increase of 1705 over the last year. The number of different current periodicals received by purchase, gift and exchange was 3356. Reference to most of the bibliographical work of the bureau libraries and the main Library during the past year has previously been made in AGRICULTURAL LIBRARY NOTES.

Beginning January 3, 1927, another source for L. C. card numbers will be available. The United States Daily will include in each issue a list of new accessions to the Library of Congress for which printed cards will become available on the date of that issue, with card number affixed to each entry. Most of the new books in English will be listed.

RINGSTED'S WORKS

By Marjorie F. Warner, Bibliographical Assistant, Bureau of Plant Industry, U. S. Department of Agriculture.

Ringsted.	The cattle-keeper's assistant. 1774.	Watt, Bibl. Brit.
_____	_____3d ed. [177-]	Rothamsted
_____	_____9th ed. J. Dixwell, 1776.	Brit. Mus.
_____	_____9th ed. J. Smeeton [1789?]	Smeeton advertisement
_____	_____[1780?]	Roy. Agr. Soc.
_____	_____11th ed., enl. [1780?]	Brit. Mus.
_____	The cattle-keeper. 13th ed. Smeeton [1800?]	Roy. Agr. Soc.
_____	_____14th ed. Smeeton [180-?]	Mass. Hort., Rothamsted
_____	The farmer. Dixwell [1775?]	N. Y. Pub. Lib.
_____	_____[1796] (Possibly earlier date?)	Rothamsted
_____	_____3d ed. Smeeton [1794?]	Smeeton advertisement
_____	_____3d ed. 1796.	Watt, Bibl. Brit.
_____	_____4th ed. Smeeton. 1800.	Rothamsted and others.
_____	_____New ed., improved. Smeeton [1804?]	U. S. Dept. Agr.

"The Farmer", by Josiah Ringsted, is a book of little merit as to its contents, but of some interest from the fact that it went through a number of editions, mostly undated. The Rothamsted Experimental Station library has two, the Royal Agricultural Society one, the British Museum none (at least in its printed catalog). One of the undated issues is in the U. S. Department of Agriculture, another in the New York Public Library, while the Massachusetts Horticultural Society has the 4th ed., 1800. This is also in the Royal Agricultural and Rothamsted collections.

The copy in the U. S. Department of Agriculture, "A new ed., improved, London, J. Smeeton", has on its last page advertisements of other books from the same publisher, one of which contains the date 1804. This "new ed." was possibly published in that year, and is probably a reprint of the 4th ed., 1800, which was also issued by Smeeton. Both contain the same advertisement of Ringsted's "The Cattle-keeper", 13th ed., which is bound with the Royal Agricultural copy of the 4th ed. of "The Farmer", while the Massachusetts Horticultural and Rothamsted copies have the 14th ed. of "The Cattle-keeper" bound with them. This is confusing, but indicates that the 13th and 14th eds. of "The Cattle-keeper" were a little earlier and later, respectively, than the 4th ed. of "The Farmer".

McDonald, "Agricultural Writers", and Donaldson, "Agricultural Biography", merely give date 1796 for "The Farmer", the latter on authority of Watt, "Bibliotheca Britannica". Watt, however, does not give the 1st but the 3d ed. as published 1796, and "The Cattle-keeper's assistant" (later "The Cattle-keeper") as published 1774. If this was the 1st ed., "The Cattle-keeper" must have been a "best seller", as the British Museum lists a 9th ed., 1776, published by J. Dixwell, London. The copy of "The Farmer" in the New York Public Library was also published by Dixwell, and has on its cover an advertisement of "The Cattle-keeper's assistant", for which neither date nor edition is given. If the 1st ed. of "The Cattle-keeper" is intended, this copy of "The Farmer" must have been published between 1774 and 1776, and is possibly the earliest edition.

Besides the 4th ed., 1800, Rothamsted has a copy of "The Farmer" for which the date 1796 is given in brackets, whether on authority or on evidence is not stated, and as this edition is not numbered, one wonders whether it may

RINGSTED'S "CHYS (Cont'd)

not be actually earlier or later. Watt gives 1796 for the 3d ed., but in a nursery catalog which Smeeton published for John Graefer, with preface date 1794, he advertises the 3d ed. of "The Farmer". Either Watt assigned the date 1796 to an undated issue, or else the 3d ed. must have been reissued with varying dates. In another Graefer catalog with preface date 1789, Smeeton advertises "The Farmer", edition not specified, and also the 9th ed. of "The Cattle-keeper's assistant", which is entirely at variance with the British Museum entry for that edition.

No satisfactory arrangement of Ringsted's editions can be made without examination of further copies or collection of data from publishers' advertisements or other contemporary literature. Readers who can contribute to the solution of this puzzle are urged to communicate with the Library of the U.S. Department of Agriculture. The foregoing notes should indicate the enormously important part played by names of publishers in the identification of editions. The paging is available for so few copies of Ringsted that it has been disregarded in these notes, but it should be supplied for any copies that may be definitely located in libraries or where it is given fully in reviews.

INSTITUT COLONIAL DE MARSEILLE
Printed Index Cards

A circular (in French) has been received from the Institut Colonial de Marseille in regard to the publication by the Institut of printed index cards for current publications on tropical agriculture and technology. Following is a translation of the circular:

"The Colonial Institut at Marseille has decided to print on cards its catalogue of technical and agricultural tropical literature of all countries. This bibliography will include books, memoirs and reports of experiment stations, scientific institutions and bureaus, and leading articles in periodicals, concerning the production, commerce and industrial use of tropical products. Thus the subscriber will be informed of the works on these subjects as they appear and the cards will be an addition to the catalogue of the subscriber's library. These cards will be sold for 15 centimes each, plus cost of postage, and will be sent once a week. A first deposit of 100 francs is asked of the subscriber, who will be told when this amount is exhausted. A list of publications and indexed subjects will be sent on request. Checks and money orders should be made to the order of the Institut Colonial de Marseille and sent to the address "Institut Colonial, Parc Amable-Chanot, Marseille, France."

LOWER POSTAL RATES ON BOOKS FROM LIBRARIES

Among the twenty-eight resolutions adopted by the American Farm Bureau Federation at its meeting in Chicago was the following relating to postal affairs which contains one clause of particular interest to libraries: "Efficiency and economy in the Post Office Department is advocated as a method of preventing undue burdens and restrictions being placed on parcel post service. Insecticides, fungicides and germicides should be permitted to be sent through the mails. To stimulate education, lower rates on books from libraries should be put into effect. Certain public service and educational features of the Post Office Department should be recognized as proper functions to be sustained out of public funds, rather than to be supported by increased postal rates on commercial matter going through the mails."

QUERIES AND ANSWERS

Query from Colorado State Agricultural College Library:

"Can you tell us whether the Report series of the Department of Agriculture has been discontinued? The last number which we have is no. 117, published in 1918. If this is complete we want to bind our numbers. We should also like to know if the 'Studies of the lumber industry', pt. 2-7 and 10, have been published in some other series. Report no. 114 is Part 1, 115 is Part 8, 116 is Part 9, and 117 is Parl 11.

Answer from U. S. Department of Agriculture Library:

"Although we have no definite information regarding the discontinuance of the Report series of the Department, we think it quite unlikely that the series will be continued. No. 117, which appeared in 1918, is the last number issued. In the case of 'Studies of the lumber industry', our records show that parts 2-3, 6-7 and 10 have never been printed. Part 4 was published in part in the West Coast Lumberman, May 1, 1922, p. 50-63. Part 5 was published in 1920 by the Western Pine Manufacturers' Association under the title 'Timber ownership and lumber production in the Inland Empire' by David T. Mason."

Query from the Librarian of the Massachusetts Horticultural Society:

"Can you give me some advice on a problem which has just arisen? I ordered from _____ this fall a volume of Johann Hermann Knoop containing the Pomologia, Fructologia and Dendrologia, Dutch edition. Upon comparison with the edition of 1758-63, which we have bound in three separate volumes, I suspect that the new one is merely a reprint though I have not made a close comparison of the texts. The title pages of the new one differ from the others only in minor points of type and punctuation, and in the omission of statement of illustration. The imprint also varies by the addition of the name of G. Tresling to that of Ferwerda, and by the omission of date. In fact no date appears anywhere in the book. The text is in single column instead of double, but the same plates are used. The whole page is slightly smaller than in the other edition. I am not yet thoroughly enough familiar with the literature to know whether this book is the sort for which these apparently minor variations are of interest. If it is not worth while of course I want either to send the book back or to try to dispose of it here. If you can give me any advice on the question I shall appreciate your kindness. The dealer's catalogue gave the date 'about 1720', but I am wondering where he got his information."

Answer from Miss M. F. Warner, Bibliographical Assistant, Bureau of Plant Industry Library, U. S. Department of Agriculture:

"The copy of Knoop in three volumes published in Leeuwarden, 1768-63, which the Massachusetts Horticultural Society already has, is absolutely the first edition. The undated edition recently purchased does not differ from it in any important particular. The undated edition is not reprinted verbatim from the original, as it has not only been re-set, in single instead of double column, but it shows numerous changes in spelling. So far as we can see, there is no change in the subject matter, but it looks as if all three works had been carefully edited to conform to later typographical usage. Possibly the publishers of this undated edition, Ferwerda & Tresling, got out this reprint to supply demands soon after the original edition was exhausted, very likely to compete with the French version published at Amsterdam in 1771."

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
issued during December, 1926, exclusive of current issues of serials.*

Bureau of Agricultural Economics

Housing conditions among 947 white farm families of Texas. A preliminary report. [Prepared by E. L. Kirkpatrick] 1926. 19 p.

Publications issued by the Bureau of agricultural economics relating to market crops and farm management. 1926. 9 p. (Issued by Division of economic information)

Some references on agricultural relief. 1926. 6 p. (Compiled in the Library This list is a revision of a list entitled "Some references to the export corporation plan" dated Oct. 14, 1926, to which some later references have been added.

A study of farmer elevator operation in the spring wheat area. Pt. 11 - Variation in the protein content of spring wheat, especially the 1924 crop, and the effect of such variation on prices received and marketing methods used by farmers' elevators. A preliminary report. [By W. J. Kuhrt] 1926. 16 p (Issued by Division of cooperative marketing)

Bureau of Biological Survey

Breeders of chinchilla rabbits. 1926. 23 p. (Bi-883)

Breeders of foxes. 1926. 48 p. (Bi-442)

Breeders of fur animals. 1926. 14 p. (Bi-464)

Bureau of Entomology

Publications of the Bureau of entomology, U. S. Dept. of agriculture, available for free distribution. 1926. 3 p. (E-24, rev. to Dec. 15, 1926)

Office of Experiment Stations

Some features of the first year under the Purnell act, [By] E. W. Allen. 1926. 17 p.
Presented before the Experiment Station division, Association of land-grant colleges, Washington, D. C., Nov. 16, 1926.

Extension Service

Address accepting Camp Plummer for the Extension service of the Agricultural colleges and the U. S. Department of agriculture. [By] William A. Lloyd. [1926] 7 p. (Issued by Office of cooperative extension work)

Alfalfa; excerpts from 1925 annual reports of state and county extension agents. Compiled by M. C. Wilson and O. S. Fisher. 1926. 24 p. (Extension service circular 28) (Issued by Office of cooperative extension work)

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*For a list of the principal serial publications issued regularly see the January, 1926, issue of AGRICULTURAL LIBRARY NOTES, p. 10-14.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS (Cont'd)

Extension Service (Cont'd)

Equipment used in teaching food subjects in negro schools. 1926. 11 p. (Lantern slide series no. 63) (Issued by Office of agricultural instruction

The eradication of tuberculosis from livestock and poultry. 1926. 12 p. (Lantern slide series no. 201) (Issued by Office of cooperative extension work)

House furnishings. Excerpts from 1925 annual reports of state and county extension agents. Compiled by M. C. Wilson... 1926. 16 p. (Extension service circular 29) (Issued by Office of cooperative extension work)

Local leadership and effectiveness of extension work in reaching rural people. A study of 169 local extension leaders, 439 farms, and 92 village homes in Hamlin County, S. D., 1925. [By] M. C. Wilson and W. F. Kumlien. 1926. 33 p. (Extension service circular 33) (Issued by Office of cooperative extension work)

Proceedings: County-agent supervisory section of the conference of central states extension workers, Iowa state college of agriculture, Ames, Iowa, April 26 to 28, 1926. 1926. 53 p.

Proceedings: Nutrition section of the conference of central states extension workers, Iowa state college of agriculture, Ames, Iowa, April 26 to 29, 1926. 1926. 36 p.

Some features affecting tenure in extension work. [By] W. A. Lloyd... 1926. 11 p. (Extension service circular 31) (Issued by Office of cooperative extension work)

Address presented before the Extension section of the meeting of the Association of land-grant colleges, Washington, D. C., Nov. 16, 1926.

Summary of questionnaire on radio broadcasting sent to extension directors, November, 1926. [1926] 11 p.

Training 4-H leadership. By Robert G. Foster... 1926. 20 p. (Issued by Office of cooperative extension work)

Office of Information

Characteristics of a good journal article. [By] M. C. Merrill. 1926. 16 p.

Paper read as a part of the symposium on "Publication of results of agronomic research" at the meeting of the American society of agronomy... Nov. 18, 1926.

Principal functions of the various branches of the U. S. Department of agriculture. Oct. 1, 1926. 15 p. (Prepared in Office of Publications)

Bureau of Plant Industry

Peat: A contribution towards a bibliography of the American literature through 1925. Compiled by Alice C. Atwood. 1926. (U. S. Department of agriculture, Library, Bibliographical contributions, no. 12)